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

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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 Auten 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 operated from approximately 1963 until it closed in 1985.

To comply with NCSWM guidelines, semi-annual groundwater monitoring was initiated in April 1997 at five shallow monitor wells MW-1 through MW-5. Groundwater samples are analyzed for Appendix I volatile organic compounds (VOC's) and RCRA metals. Groundwater samples historically collected at the site 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 Auten Closed Landfill* report prepared by Resolve Environmental Services, P.A., one deep monitor well MW-5A and one background monitor well MW-6 were installed. Monitor well MW-5A was advanced adjacent to monitor well MW-5 to define the vertical extent of affected groundwater. Monitor well MW-6 was installed as a background well and was placed immediately adjacent to the former on-site landfill scale and maintenance garage along Monterey Park Drive. Groundwater samples collected at MW-5A did not indicate target constituents above the NCGQS. Monitor well MW-6 indicated the presence of 180 micrograms per liter (ug/l) arsenic, 4,600 ug/l barium, 16 ug/l cadmium, 340 ug/l chromium, 240 ug/l lead, and 18 ug/l tetrachloroethene, which were above the NCGQS. Based on historical sampling, the metals appear to be due to turbidity or natural conditions at the site. One water supply well was identified approximately 700 feet upgradient of the former landfill.

In response to the March 2001 report, the NCSWM requested in a November 8, 2001 letter that additional assessment activities be conducted in the area of monitor well MW-6 to determine the source and extent of affected groundwater.

Based on historical assessment activities, monitor well MW-6 is located hydrogeologically upgradient of the known on-site waste boundary and is immediately downgradient of a former off-site "stump dump". The "stump dump" was not owned or operated by Gaston County. Buxton Environmental, Inc. submitted a *Work Plan to Assess Affected Groundwater Detected at Monitor Well MW-6* to the NCSWM on February 8, 2002. The NCSWM approved the plan, with minor revisions outlined in their February 27, 2002 letter.

From May 12 through 14, 2003, a three shallow temporary monitor wells TW-1, TW-2 and TW-3 were installed along the property boundary immediately upgradient of monitor well MW-6 and downgradient of the off-site "stump-dump. The findings of this assessment are presented in a June 24, 2003 *Groundwater Delineation and First Semi-Annual 2003 Groundwater and Surface Water Monitoring Event* report prepared by Buxton Environmental, Inc. Groundwater sample TW-2 indicated the presence of tetrachloroethene, and groundwater sample TW-3 indicated tetrachloroethene and trichloroethene above the NCGQS. Groundwater sample TW-1 did not indicate the presence of target constituents above the NCGQS. Based on groundwater analytical

data and shallow groundwater flow direction, the former off-site "stump dump" area located upgradient and the immediate south of the site appears to be a potential source for VOC affected groundwater historically detected at monitor well MW-6. Several discarded drums and car part debris were also identified at this off-site location during the May 16, 2004 sampling event, immediately upgradient of temporary monitor wells TW-2 and TW-3.

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On November 27, 2006, Buxton Environmental, Inc. conducted the second semi-annual 2006 groundwater and surface water monitoring event at the subject site. Groundwater monitoring activities were conducted at six shallow monitor wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6, one deep monitor well MW-5A, and two temporary wells TW-2 and TW-3. Temporary well TW-1 was dry during the event, therefore, was not sampled. Surface water samples, Upstream and Downstream, were also collected during these activities.

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.

The lock and stand-up cover lid of monitor well MW-1 had been vandalized with a gun. Gaston County Public Works is in the process of making the repairs at MW-1. The remaining monitor wells were locked and appeared to be in good condition during the sampling event.

4.0 GROUNDWATER FLOW DIRECTION

Based on groundwater levels obtained on during the second semi-annual 2006 monitoring event, the general shallow groundwater flow on the western side of the site is to the north northwest toward Long Creek and is to the east and northeast toward Long Creek and Burton Branch Creek on the eastern side of the site. Shallow groundwater flows to the north northwest and east from the former off-site "stump dump" area toward the Auten Landfill. A shallow groundwater flow direction map is provided in Figure 3.

A horizontal hydraulic gradient of 0.02 feet per feet (ft/ft) was observed between shallow monitor wells TW-3 and MW-2. An upward vertical gradient of 0.02 ft/ft was observed between nested monitor wells MW-5 and MW-5A. Upward vertical gradients are generally associated with groundwater discharge zones.

5.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the 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-5 and MW-6, and temporary wells TW-2 and TW-3 indicated the presence of target constituents above the NCGQS, which are summarized below. Groundwater sample MW-1 indicated the presence of 450 ug/l lead. Groundwater sample MW-2 indicated the presence of 2.9 ug/l benzene and 17 ug/l 1,4-dichlorobenzene. Groundwater sample MW-3 indicated the presence of 1.3 ug/l benzene. Groundwater sample MW-5 indicated the presence of 2 ug/ benzene and 22 ug/l 1,4-dichlorobenzene. Groundwater sample MW-6 indicated the presence of 3.4 ug/l tetrachloroethene, 120 ug/l chromium and 61 ug/l lead. Groundwater sample TW-2 indicated the presence of 7.2 ug/l tetrachloroethene, 2,600 ug/l barium, 180 ug/l chromium and 58 ug/l lead. Groundwater sample TW-3 indicated the presence of 1.9 ug/l tetrachloroethene, 3.5 ug/l cadmium and 24 ug/l lead. The remaining groundwater samples did not indicate target constituents above the NCGQS.

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

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

6.0 CONCLUSIONS

On November 27, 2006, Buxton Environmental, Inc. conducted the second semi-annual 2006 groundwater and surface water monitoring activities at the Closed Auten Landfill located in Gaston County, North Carolina. A summary of the findings of this investigation is provided below.

- The general shallow groundwater flow on the western side of the site is to the north northwest toward Long Creek and is to the east and northeast toward Long Creek and Burton Branch Creek on the eastern side of the site. Shallow groundwater flows to the north northwest and east from the former off-site "stump dump" area toward the Auten Landfill.

- Groundwater samples collected at monitor wells MW-1, MW-2, MW-3, MW-5 and MW-6, and temporary wells TW-2 and TW-3 indicated the presence of target constituents above the NCGQS.

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

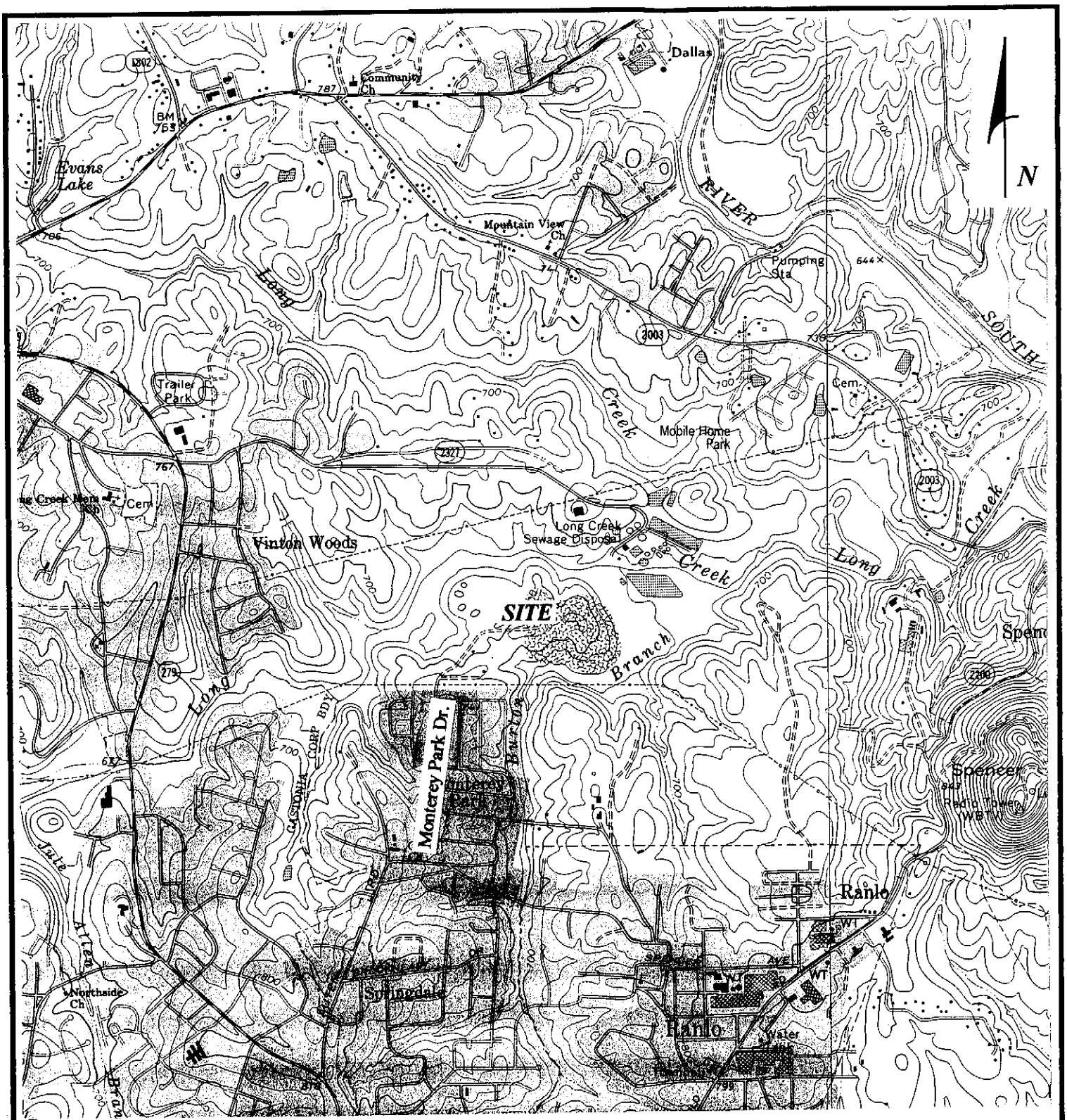
7.0 RECOMMENDATIONS

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 Auten Landfill. The next sampling event is anticipated to be conducted in May 2007.

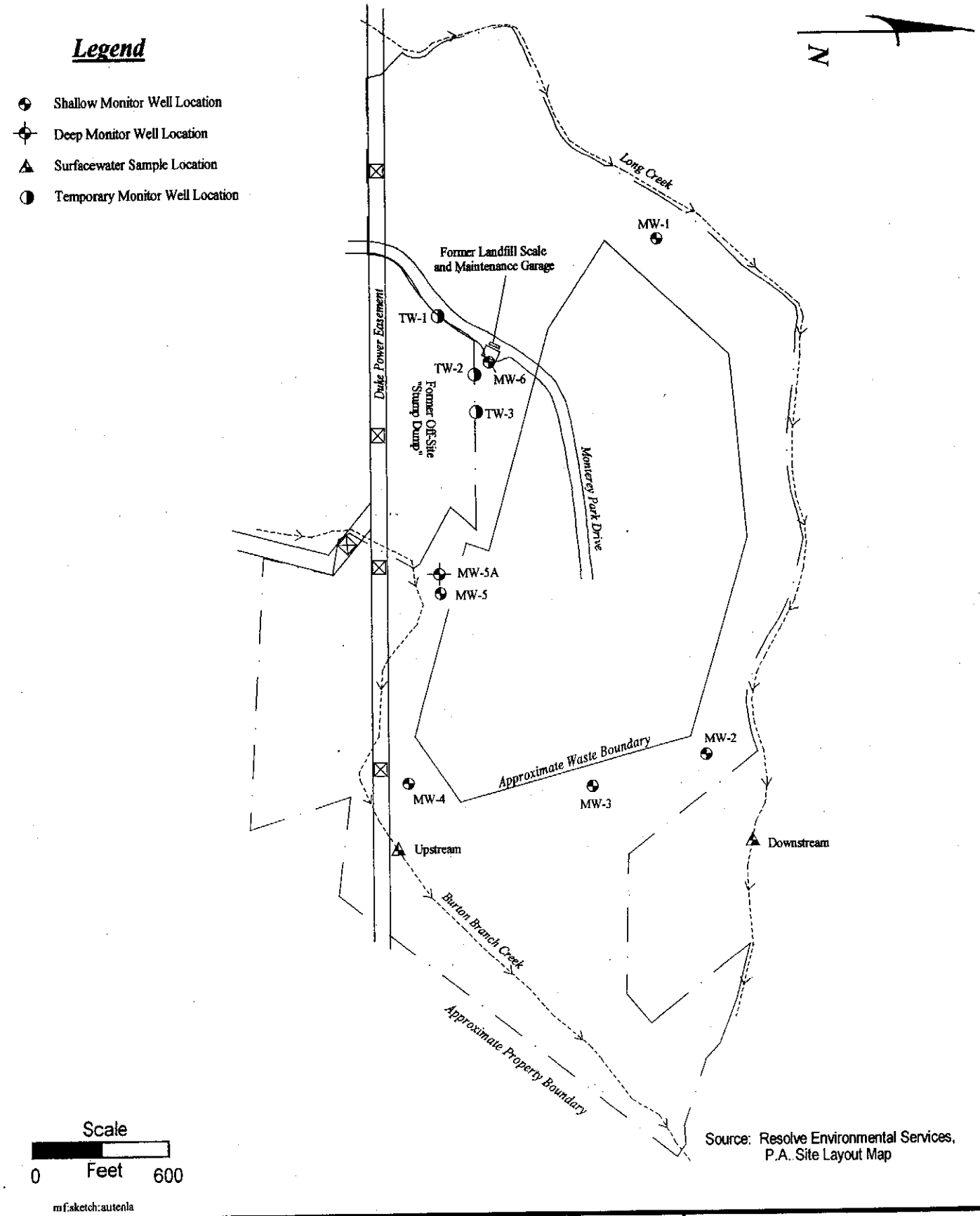
- A copy of this report should be forwarded to the NCSWM for their review.

FIGURES



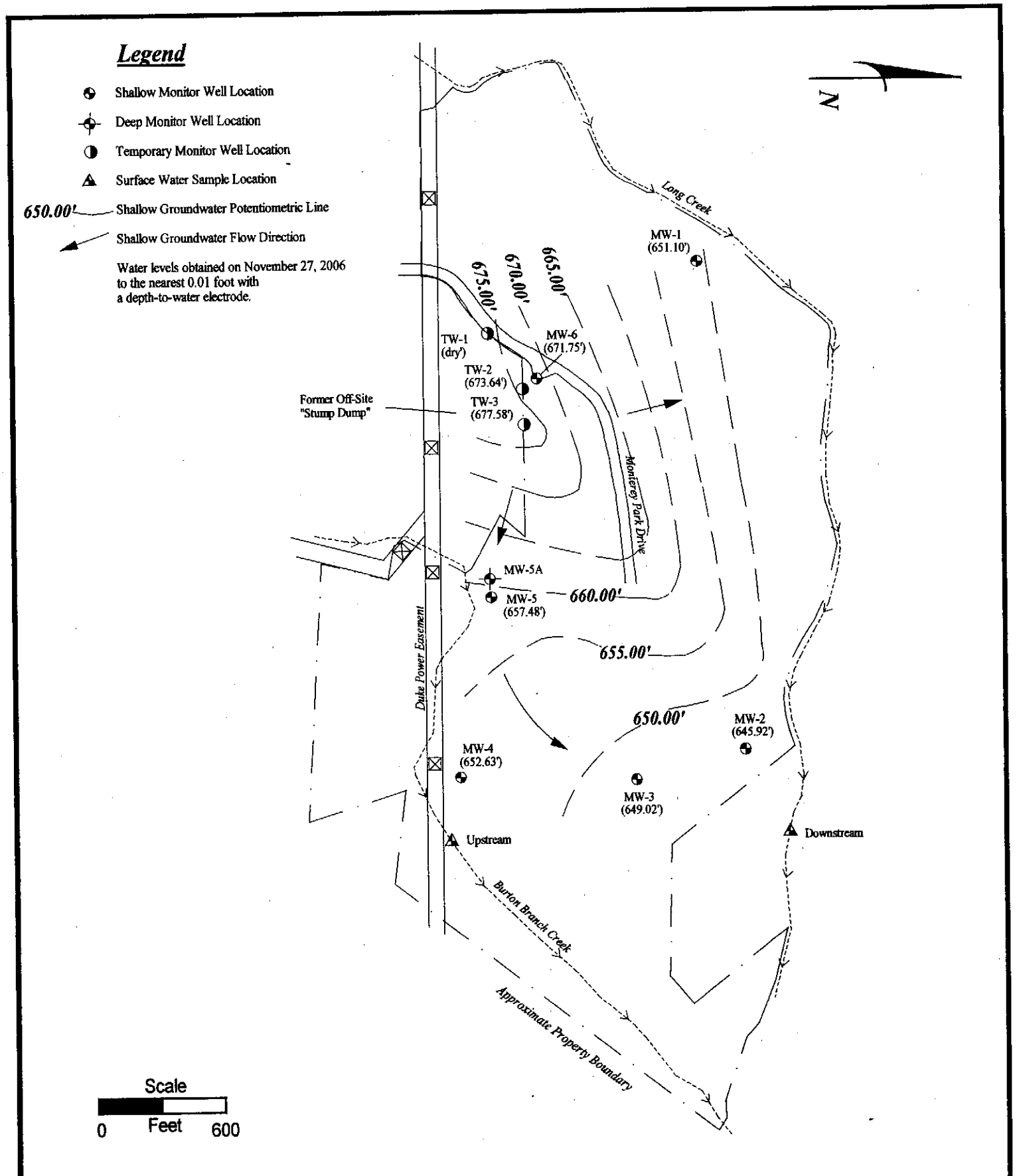
Source: United States Geological Survey, 1993 Gastonia North, 1993 Mount Holly, North Carolina Quadrangles

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

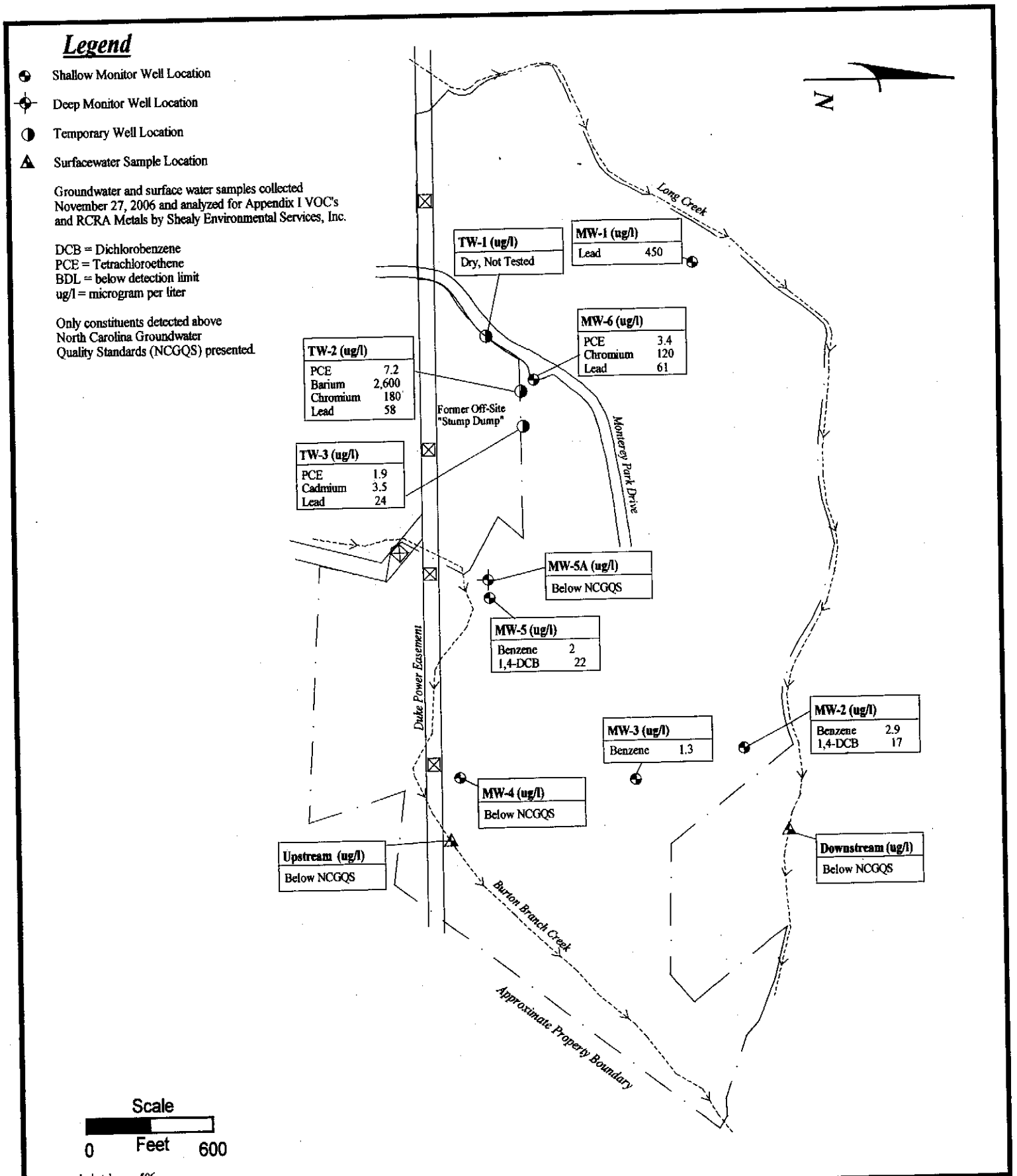


Source: Resolve Environmental Services, P.A. Site Layout Map

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



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



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

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 27, 2006

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	17.50	657.71	6.61	651.10
MW-2	27.80	660.80	14.88	645.92
MW-3	29.50	668.87	19.85	649.02
MW-4	23.50	662.15	9.52	652.63
MW-5	21.50	667.67	10.19	657.48
MW-5A	54.00	668.32	10.33	657.99
MW-6	46.00	700.54	28.79	671.75
TW-1	37.50	708.75	dry	dry
TW-2	39.00	709.58	35.94	673.64
TW-3	45.50	715.82	38.24	677.58

Notes:
Depth to water measurements collected on November 27, 2006
nearest 0.01 foot 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 and MW-4 are relative to mean sea level
and were surveyed by Robinson & Sawyer, Inc. on August 24, 1994.
TOC elevations at MW-5A and MW-6 were determined by Resolve Environmental Services
on May 3, 2001 relative to existing well elevations.
TOC elevations at TW-2 and TW-3 were determined by Buxton Environmental, Inc.
on May 14, 2003 relative to TOC at MW-6.
TOC elevations at MW-5 and TW-1 were determined by Buxton Environmental, Inc.
on December 4, 2003 following repairs to these wells.

TABLE 2
FIELD PARAMETER DATA
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 27, 2006

Sample ID	***Field Parameters***		
	pH (standard units)	***K (uS)***	***T (fahrenheit)***
MW-1	7.8	220	58
MW-2	6.9	550	60
MW-3	7.6	340	61
MW-4	7.4	260	68
MW-5	7.2	250	60
MW-5A	7.6	220	60
MW-6	7.6	130	58
TW-1	dry	dry	dry
TW-2	7.5	130	60
TW-3	6.8	140	57
Upstream	7.8	150	49
Downstream	8.4	100	48

Notes:
Field parameters collected on November 27, 2006
T=temperature;K=conductivity
uS = umhos/sec

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 27, 2006

Sample ID	***MW-1***	***MW-2***	***MW-3***	***MW-4***	***MW-5***	***MW-5A***	***MW-6***	***TW-1***	***TW-2***	***TW-3***	***NCGQS***
Appendix I VOC's											
Benzene	BDL	[illegible]	[illegible]	BDL	[illegible]	BDL	BDL	NT	BDL	BDL	1
Bromoform	BDL	BDL	BDL	BDL	BDL	3.8	BDL	NT	BDL	BDL	4.43
Chlorobenzene	BDL	5.2	BDL	BDL	15	BDL	BDL	NT	BDL	BDL	50
1,2-Dichlorobenzene	BDL	1.1	BDL	BDL	4.9	BDL	BDL	NT	BDL	BDL	24
1,4-Dichlorobenzene	BDL	[illegible]	BDL	BDL	[illegible]	BDL	BDL	NT	BDL	BDL	1.4
cis-1,2-Dichloroethene	BDL	BDL	1.7	BDL	1.2	BDL	BDL	NT	BDL	BDL	70
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	NT	[illegible]	[illegible]	0.7
RCRA Metals											
Arsenic	BDL	13	15	BDL	7.3	BDL	24	NT	19	11	50
Barium	120	910	200	220	320	140	1,400	NT	[illegible]	800	2,000
Cadmium	BDL	BDL	BDL	1.2	BDL	BDL	BDL	NT	BDL	[illegible]	1.75
Chromium	BDL	7.1	12	21	BDL	BDL	[illegible]	NT	[illegible]	46	50
Lead	[illegible]	7	6.5	8.5	BDL	BDL	[illegible]	NT	[illegible]	[illegible]	15

Notes:
Groundwater samples collected on November 27, 2006 and analyzed for above parameters by Shealy Environmental Services, Inc. in Cayce, SC.
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 AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 27, 2006

Sample ID	***Upstream***	***Downstream***	***NCGQS***
Appendix I VOC's	BDL	BDL	NA
RCRA Metals			
Barium	60	31	2,000
Chromium	23	BDL	50
Mercury	0.11	BDL	1.05

Notes:
Surface water samples collected November 27, 2006 and analyzed for above parameters 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: **Auten Landfill/Gaston County**

Lot Number: **HK28001**
Date Completed: **12/05/2006**

Alison Bragan Edwards
Project Manager

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

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

Case Narrative
Buxton Environmental
Lot Number: HK28001

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: HK28001

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	11/27/2006 1045	11/28/2006
002	MW-2	Aqueous	11/27/2006 1115	11/28/2006
003	MW-3	Aqueous	11/27/2006 1145	11/28/2006
004	MW-4	Aqueous	11/27/2006 1200	11/28/2006
005	MW-5	Aqueous	11/27/2006 0830	11/28/2006
006	MW-5a	Aqueous	11/27/2006 0845	11/28/2006
007	MW-6	Aqueous	11/27/2006 1020	11/28/2006
008	TW-2	Aqueous	11/27/2006 0930	11/28/2006
009	TW-3	Aqueous	11/27/2006 1000	11/28/2006
010	Upstream	Aqueous	11/27/2006 0850	11/28/2006
011	Downstream	Aqueous	11/27/2006 1130	11/28/2006
012	Trip Blank	Aqueous	11/10/2006 1230	11/28/2006

(12 samples)

Executive Summary
Buxton Environmental
Lot Number: HK28001

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Barium	6010B	0.12		mg/L	7
001	MW-1	Aqueous	Lead	6010B	0.45		mg/L	7
002	MW-2	Aqueous	Benzene	8260B	2.9		ug/L	8
002	MW-2	Aqueous	Chlorobenzene	8260B	5.2		ug/L	8
002	MW-2	Aqueous	1,2-Dichlorobenzene	8260B	1.1		ug/L	8
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	17		ug/L	8
002	MW-2	Aqueous	Arsenic	6010B	0.013		mg/L	9
002	MW-2	Aqueous	Barium	6010B	0.91		mg/L	9
002	MW-2	Aqueous	Chromium	6010B	0.0071		mg/L	9
002	MW-2	Aqueous	Lead	6010B	0.0070		mg/L	9
003	MW-3	Aqueous	Benzene	8260B	1.3		ug/L	10
003	MW-3	Aqueous	cis-1,2-Dichloroethene	8260B	1.7		ug/L	10
003	MW-3	Aqueous	Arsenic	6010B	0.015		mg/L	11
003	MW-3	Aqueous	Barium	6010B	0.20		mg/L	11
003	MW-3	Aqueous	Chromium	6010B	0.012		mg/L	11
003	MW-3	Aqueous	Lead	6010B	0.0065		mg/L	11
004	MW-4	Aqueous	Barium	6010B	0.22		mg/L	13
004	MW-4	Aqueous	Cadmium	6010B	0.0012		mg/L	13
004	MW-4	Aqueous	Chromium	6010B	0.021		mg/L	13
004	MW-4	Aqueous	Lead	6010B	0.0085		mg/L	13
005	MW-5	Aqueous	Benzene	8260B	2.0		ug/L	14
005	MW-5	Aqueous	Chlorobenzene	8260B	15		ug/L	14
005	MW-5	Aqueous	1,2-Dichlorobenzene	8260B	4.9		ug/L	14
005	MW-5	Aqueous	1,4-Dichlorobenzene	8260B	22		ug/L	14
005	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	1.2		ug/L	14
005	MW-5	Aqueous	Arsenic	6010B	0.0073		mg/L	15
005	MW-5	Aqueous	Barium	6010B	0.32		mg/L	15
006	MW-5a	Aqueous	Bromoform	8260B	3.8		ug/L	16
006	MW-5a	Aqueous	Barium	6010B	0.14		mg/L	17
007	MW-6	Aqueous	Tetrachloroethene	8260B	3.4		ug/L	18
007	MW-6	Aqueous	Arsenic	6010B	0.024		mg/L	19
007	MW-6	Aqueous	Barium	6010B	1.4		mg/L	19
007	MW-6	Aqueous	Chromium	6010B	0.12		mg/L	19
007	MW-6	Aqueous	Lead	6010B	0.061		mg/L	19
008	TW-2	Aqueous	Tetrachloroethene	8260B	7.2		ug/L	20
008	TW-2	Aqueous	Arsenic	6010B	0.019		mg/L	21
008	TW-2	Aqueous	Barium	6010B	2.6		mg/L	21
008	TW-2	Aqueous	Chromium	6010B	0.18		mg/L	21
008	TW-2	Aqueous	Lead	6010B	0.058		mg/L	21
009	TW-3	Aqueous	Tetrachloroethene	8260B	1.9		ug/L	22
009	TW-3	Aqueous	Arsenic	6010B	0.011		mg/L	23
009	TW-3	Aqueous	Barium	6010B	0.80		mg/L	23
009	TW-3	Aqueous	Cadmium	6010B	0.0035		mg/L	23
009	TW-3	Aqueous	Chromium	6010B	0.046		mg/L	23

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: HK28001

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
009	TW-3	Aqueous	Lead	6010B	0.024		mg/L	23
010	Upstream	Aqueous	Barium	6010B	0.060		mg/L	25
010	Upstream	Aqueous	Chromium	6010B	0.023		mg/L	25
010	Upstream	Aqueous	Mercury	7470A	0.00011		mg/L	25
011	Downstream	Aqueous	Barium	6010B	0.031		mg/L	27

(49 detections)

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **11/27/2006 1045**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 1919	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: **MW-1**
Date Sampled: **11/27/2006 1045**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 1919	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		84	70-147
Toluene-d8		110	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/29/2006 1637	FLW	11/28/2006 2000	49129
1	3005A	6010B	1	11/29/2006 1829	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1445	MNM	11/28/2006 1737	49127

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	ND		0.0010	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.45**		**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

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-2**
Date Sampled: **11/27/2006 1115**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 1941	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**	**2.9**		**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**	**5.2**		**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**	**17**		**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"

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Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **11/27/2006 1115**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 1941	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		102	52-138
Bromofluorobenzene		97	70-147
Toluene-d8		118	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/29/2006 1638	FLW	11/28/2006 2000	49129
1	3005A	6010B	1	11/29/2006 1836	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1451	MNM	11/28/2006 1737	49127

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.013**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.91**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.0071**		**0.0050**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.0070**		**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

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: **11/27/2006 1145**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 2002	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**	**1.3**		**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	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**	**1.7**		**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: **11/27/2006 1145**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 2002	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		102	52-138
Bromofluorobenzene		91	70-147
Toluene-d8		109	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/29/2006 1639	FLW	11/28/2006 2000	49129
1	3005A	6010B	1	11/29/2006 1843	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1457	MNM	11/28/2006 1737	49127

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.015**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.20**		**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**	**0.0065**		**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

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: **11/27/2006 1200**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 2024	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**	Laboratory ID: **HK28001-004**
Description: **MW-4**	Matrix: **Aqueous**
Date Sampled: **11/27/2006 1200**	
Date Received: **11/28/2006**	

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 2024	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		107	52-138
Bromofluorobenzene		90	70-147
Toluene-d8		112	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/29/2006 1640	FLW	11/28/2006 2000	49129
1	3005A	6010B	1	11/29/2006 1849	MNM	11/28/2006 1737	49127
3	3005A	6010B	1	12/04/2006 1705	MNM	11/28/2006 1737	49127

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**	**0.22**		**0.025**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0012**		**0.0010**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.021**		**0.0050**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.0085**		**0.0030**	**mg/L**	**3**
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-5**
Date Sampled: **11/27/2006 0830**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 2045	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**	**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**	**15**		**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**	**4.9**		**1.0**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**22**		**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**	**1.2**		**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"

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Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **11/27/2006 0830**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 2045	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		91	70-147
Toluene-d8		111	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/29/2006 1644	FLW	11/28/2006 2000	49129
1	3005A	6010B	1	11/29/2006 1856	MNM	11/28/2006 1737	49127
3	3005A	6010B	1	12/04/2006 1711	MNM	11/28/2006 1737	49127

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0073**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.32**		**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	3
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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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-5a**
Date Sampled: **11/27/2006 0845**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-006**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2211	CMS		49366

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**	**3.8**		**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-5a**
Date Sampled: **11/27/2006 0845**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-006**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2211	CMS		49366

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		88	70-147
Toluene-d8		108	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/29/2006 1645	FLW	11/28/2006 2000	49129
1	3005A	6010B	1	11/29/2006 1902	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1515	MNM	11/28/2006 1737	49127

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**	**0.14**		**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	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

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-6**
Date Sampled: **11/27/2006 1020**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2233	CMS		49366

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**	**3.4**		**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: **MW-6**
Date Sampled: **11/27/2006 1020**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2233	CMS		49366

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		90	70-147
Toluene-d8		110	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/29/2006 1651	FLW	11/28/2006 2000	49129
1	3005A	6010B	1	11/29/2006 1909	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1521	MNM	11/28/2006 1737	49127

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.024**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**1.4**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.12**		**0.0050**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.061**		**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

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: **TW-2**
Date Sampled: **11/27/2006 0930**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2254	CMS		49366

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**	**7.2**		**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	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"

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Client: **Buxton Environmental**
Description: **TW-2**
Date Sampled: **11/27/2006 0930**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2254	CMS		49366

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		90	70-147
Toluene-d8		110	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2006 2059	FLW	11/30/2006 1634	49198
1	3005A	6010B	1	11/29/2006 1929	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1539	MNM	11/28/2006 1737	49127

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.019**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**2.6**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.18**		**0.0050**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.058**		**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

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

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Client: **Buxton Environmental**
Description: **TW-3**
Date Sampled: **11/27/2006 1000**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2316	CMS		49366

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**	**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	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.
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Client: **Buxton Environmental**
Description: **TW-3**
Date Sampled: **11/27/2006 1000**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2316	CMS		49366

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		99	52-138
Bromofluorobenzene		97	70-147
Toluene-d8		110	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2006 2100	FLW	11/30/2006 1634	49198
1	3005A	6010B	1	11/29/2006 1935	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1545	MNM	11/28/2006 1737	49127

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.011**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.80**		**0.025**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0035**		**0.0010**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.046**		**0.0050**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.024**		**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

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: **11/27/2006 0850**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-010**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2337	CMS		49366

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: **Upstream**
Date Sampled: **11/27/2006 0850**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-010**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2337	CMS		49366

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		99	52-138
Bromofluorobenzene		91	70-147
Toluene-d8		110	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2006 2101	FLW	11/30/2006 1634	49198
1	3005A	6010B	1	11/29/2006 1942	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1551	MNM	11/28/2006 1737	49127

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**	**0.060**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.023**		**0.0050**	**mg/L**	**1**
Lead	7439-92-1	6010B	ND		0.0030	mg/L	2
Mercury	**7439-97-6**	**7470A**	**0.00011**		**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

Shealy Environmental Services, Inc.
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Client: **Buxton Environmental**
Description: **Downstream**
Date Sampled: **11/27/2006 1130**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-011**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2359	CMS		49366

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: **Downstream**
Date Sampled: **11/27/2006 1130**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-011**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2006 2359	CMS		49366

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		88	70-147
Toluene-d8		109	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2006 1522	FLW	11/30/2006 1634	49198
1	3005A	6010B	1	11/29/2006 2008	MNM	11/28/2006 1737	49127
2	3005A	6010B	1	12/01/2006 1615	MNM	11/28/2006 1737	49127

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**	**0.031**		**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	2
Lead	7439-92-1	6010B	ND		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

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: **11/10/2006 1230**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-012**
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 0020	CMS		49366

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

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

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: **11/10/2006 1230**
Date Received: **11/28/2006**

Laboratory ID: **HK28001-012**
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 0020	CMS		49366

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		91	70-147
Toluene-d8		108	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
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E = Quantitation of compound exceeded the calibration range
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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 68038

Client: Burton 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	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: Auten Landfill - Gastonia			
Project No.	P.O. No.		Lot No. HK28101

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit					Remarks / Cooler I.D.
														App I VOCs	Metals		
MW-1	11-27-06	10:45	G	✓										X	X		
MW-2	"	11:15	G	✓										X	X		
MW-3	"	11:45	G	✓										X	X		
MW-4	"	12:00	G	✓										X	X		
MW-5	"	8:30	G	✓										X	X		
MW-5A	"	8:45	G	✓										X	X		
MW-6	"	10:20	G	✓										X	X		
TW-2	"	9:30	G	✓										X	X		
TW-3	"	10:00	G	✓										X	X		
UPSTREAM	"	8:50	G	✓										X	X		
DOWNSTREAM	"	11:30	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

1. Relinquished by	Date 11-27-06	Time 14:00	1. Received by		Date 11-27-06	Time 14:00
2. Relinquished by	Date 11-27-06	Time 1635	2. Received by	Ava	Date 11-27-06	Time 1635
3. Relinquished by	Date 11-28-06	Time 0900	3. Laboratory received by		Date 11-28-06	Time 0900

Comments

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

Receipt Temp. 4-6 °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: Burton Envl Cooler Inspected by/date: ECC/11-28-06 Lot #: 1HK28001

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 4-6 °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 ☐

SESI employee:_____

Did client respond: Yes ☐ No ☐

Date of response: _____

Comments:

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 68038

Client: Buxton Environmental	Report to Contact: Ross Rodgers	Telephone No. / Fax No. / E-mail: 704-544-1450	Quote No.
Address: 1101 South Blvd Ste 101	Sampler's Signature: X	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: Auten Landfill - Gastons			
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit		Analysis: App. IV VOCs	TCRA METALS								Remarks / Cooler I.D.
MW-1	11-27-06	10:45	G	✓										X	X								
MW-2	"	11:15	G	✓										X	X								
MW-3	"	11:45	G	✓										X	X								
MW-4	"	12:00	G	✓										X	X								
MW-5	"	8:30	G	✓										X	X								
MW-5A	"	8:45	G	✓										X	X								
MW-6	"	10:20	G	✓										X	X								
TW-2	"	9:30	G	✓										X	X								
TW-3	"	10:00	G	✓										X	X								
UPSTREAM	"	8:50	G	✓										X	X								
DOWNSTREAM	"	11:30	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)

QC Requirements (Specify): ANALYTE PER NC SOLID WASTE Rule

	Date	Time		Date	Time
1. Relinquished by	11-27-06	14:00	1. Received by	[illegible]	[illegible]
2. Relinquished by			2. Received by		
3. Relinquished by			3. Laboratory received by		

Comments

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

Receipt Temp. _____ °C

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

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

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: BUXTON 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.
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit																Remarks / Cooler I.D.
EQUIPMENT BLANK	11-27-06	13:55														X												H/527033

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	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 AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*NCGQS*
Appendix I VOC's																					
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.5	BDL	BDL	700
Chlorobenzene	BDL	BDL	13	7.2	16	20	26	18	17	11.5	14.6	5	8	5	5.5	12	2	6.2	13	BDL	50
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	[illegible]	[illegible]	BDL	BDL	BDL	[illegible]	[illegible]	[illegible]	[illegible]	BDL	[illegible]	[illegible]	BDL	1.2	[illegible]	BDL	1.4
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.1	BDL	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
RCRA Metals																					
Arsenic	BDL	6	BDL	BDL	BDL	BDL	16	30	BDL	BDL	BDL	BDL	14	6.1	8.4	BDL	6.3	6	BDL	BDL	50
Barium	510	1,800	490	1,100	BDL	540	840	1,000	BDL	335	384	190	200	230	380	320	140	400	390	120	2,000
Cadmium	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	1.75
Chromium	32	[illegible]	27	48	BDL	22	45	[illegible]	14	BDL	9	BDL	BDL	14	28	11	BDL	15	12	BDL	50
Lead	[illegible]	[illegible]	[illegible]	[illegible]	BDL	[illegible]	[illegible]	[illegible]	BDL	BDL	5	BDL	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	15
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Mercury	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	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

bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

rk:table:authistgw.mw1

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

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*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	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	30	BDL	700
Benzene	**[illegible]**	BDL	BDL	BDL	BDL	**[illegible]**	BDL	BDL	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	1
Carbon Disulfide	29	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	1.5	BDL	BDL	BDL	BDL	BDL	BDL	700
Chlorobenzene	BDL	BDL	BDL	BDL	5	BDL	5	6	5.4	5	4.8	4.2	3.4	2.3	5.2	5.3	4.4	4.5	5.5	5.2	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2,800
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	1.2	1	BDL	BDL	1.3	1.1	24
1,4-Dichlorobenzene	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
cis-1,2-Dichloroethene	9.2	12	BDL	8.5	BDL	11	BDL	6	BDL	BDL	BDL	2	26	5	3.3	8.4	13	6.7	2.1	BDL	70
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	2.4	BDL	2.5	BDL	BDL	BDL	550
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	**[illegible]**	BDL	BDL	0.015
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.5	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	530
RCRA Metals																					
Arsenic	7	BDL	BDL	6.5	BDL	BDL	BDL	BDL	BDL	BDL	12	BDL	14	BDL	7.6	5.2	9.8	12	7.8	13	50
Barium	1,100	1,000	1,600	1,000	590	800	BDL	BDL	BDL	609	686	720	120	720	780	610	600	590	670	910	2,000
Cadmium	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	**[illegible]**	**[illegible]**	**[illegible]**	1	BDL	**[illegible]**	BDL	BDL	BDL	**[illegible]**	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	25	**[illegible]**	44	20	BDL	10	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	11	BDL	BDL	BDL	BDL	7.1	50
Lead	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	10	BDL	5.8	BDL	7	15
Mercury	BDL	BDL	BDL	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	17	BDL	17	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:authistgw.mw2

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

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*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	BDL	BDL	BDL	BDL	BDL	[illegible]	[illegible]	[illegible]	BDL	BDL	[illegible]	[illegible]	BDL	[illegible]	[illegible]	[illegible]	1
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.4
cis-1,2-Dichloroethene	13	10	BDL	8.1	9	17	9	16	12	24.6	10.2	6.4	2.8	1.8	8.1	5.6	2.9	5.7	6.1	1.7	70
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	[illegible]	BDL	BDL	BDL	[illegible]	BDL	BDL	[illegible]	BDL	BDL	0.015
RCRA Metals																					
Arsenic	BDL	5	BDL	BDL	BDL	BDL	16	BDL	BDL	BDL	BDL	BDL	23	43	29	[illegible]	11	44	31	15	50
Barium	420	350	380	BDL	BDL	BDL	680	BDL	BDL	213	73	110	81	700	390	740	120	380	390	200	2,000
Cadmium	BDL	[illegible]	BDL	BDL	[illegible]	[illegible]	[illegible]	BDL	BDL	BDL	1	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	31	25	27	41	BDL	13	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	31	[illegible]	BDL	29	30	12	50
Lead	[illegible]	[illegible]	[illegible]	[illegible]	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	[illegible]	[illegible]	BDL	[illegible]	13	6.5	15
Mercury	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	19	BDL	9.4	BDL	BDL	BDL	BDL	6.3	BDL	50

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
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:authistgw.mw3

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

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*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	450	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
1,4-Dichlorobenzene	BDL	BDL	BDL	[illegible]	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	BDL	BDL	1.2	BDL	1.3	BDL	BDL	1.4
1,2-Dichloroethane	[illegible]	BDL	BDL	[illegible]	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
cis-1,2-Dichloroethene	8.4	6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	70
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000
RCRA Metals																					
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9	6.5	BDL	BDL	6.7	BDL	BDL	50
Barium	1,500	490	160	[illegible]	BDL	BDL	BDL	BDL	BDL	79	65	80	91	200	270	310	120	150	120	220	2,000
Cadmium	[illegible]	[illegible]	BDL	1.7	[illegible]	[illegible]	[illegible]	[illegible]	BDL	BDL	1	BDL	BDL	BDL	BDL	1.1	[illegible]	BDL	BDL	1.2	1.75
Chromium	[illegible]	44	6	15	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	18	26	27	BDL	9.6	5.8	21	50
Lead	[illegible]	[illegible]	13	[illegible]	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.2	14	[illegible]	3.8	BDL	3.8	8.5	15
Mercury	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	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
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

rk:table:authistgw.mw4

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

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*10/00*	*5/01*	*12/01*	*7/02*	*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	29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Benzene	**[illegible]**	BDL	BDL	BDL	**[illegible]**	BDL	**[illegible]**	BDL	**[illegible]**	BDL	BDL	**3.4**	**8.5**	BDL	**4.7**	**2.4**	**3.5**	**1.6**	**[illegible]**	**[illegible]**	1
Carbon Disulfide	5.9	9.4	BDL	BDL	13	BDL	BDL	39	BDL	BDL	4.1	BDL	3.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Chlorobenzene	8.3	6.1	13	BDL	17	BDL	20	6	22	BDL	3.7	6.7	15	2.1	18	13	9	11	12	15	50
1,2-Dichlorobenzene	5.8	BDL	7.6	BDL	7	BDL	BDL	BDL	6.9	BDL	BDL	1.4	4.6	BDL	5.1	4.2	4.7	5.5	3	4.9	24
1,4-Dichlorobenzene	**[illegible]**	**10**	**[illegible]**	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**6.2**	**8.8**	**[illegible]**	**[illegible]**	**25**	BDL	**26**	**[illegible]**	**[illegible]**	**[illegible]**	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	1.4	BDL	1.1	BDL	BDL	BDL	70
1,2-Dichloroethane	**[illegible]**	**[illegible]**	**[illegible]**	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	**[illegible]**	**1.3**	**[illegible]**	BDL	BDL	**[illegible]**	BDL	0.38
cis-1,2-Dichloroethene	11	6.7	5.4	BDL	6	BDL	BDL	5	BDL	BDL	BDL	BDL	3.2	1.8	1.9	2.1	1.4	1.9	2.1	1.2	70
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.3	BDL	2.3	BDL	BDL	BDL	BDL	BDL	BDL	530
RCRA Metals																					
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17	9.8	6.5	BDL	BDL	6.6	BDL	7.3	50
Barium	240	510	450	620	BDL	620	BDL	BDL	BDL	75	97	120	91	180	520	310	300	280	250	320	2,000
Cadmium	BDL	**[illegible]**	**[illegible]**	1	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	1.75
Chromium	BDL	10	3	35	BDL	14	BDL	BDL	BDL	BDL	BDL	12	BDL	BDL	11	BDL	BDL	5.9	BDL	BDL	50
Lead	7	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12	7.4	BDL	10	BDL	BDL	15
Mercury	BDL	BDL	BDL	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	36	12	9	15	BDL	14	9.5	BDL	BDL	BDL	5.2	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:authistgw.mw5

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

Date	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*NCGQS*
Appendix I VOC's														
Bromoform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.8	4.43
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.4
RCRA Metals														
Arsenic	BDL	BDL	BDL	BDL	BDL	5.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Barium	BDL	BDL	59	60	100	140	130	140	120	170	110	150	140	2,000
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	1.75

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:authistgw.mw5A

MW-6
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*10/00*	*5/01*	*12/01*	*7/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*NCGQS*
Appendix I VOC's														
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	1.3	BDL	BDL	BDL	BDL	70
Tetrachloroethene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BDL	BDL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.7
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	2.8
RCRA Metals														
Arsenic	[illegible]	BDL	15	[illegible]	BDL	BDL	21	29	24	BDL	33	22	24	50
Barium	[illegible]	BDL	504	1,720	48	120	820	1,500	1,700	540	1,700	1,300	1,400	2,000
Cadmium	[illegible]	BDL	BDL	[illegible]	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	[illegible]	BDL	44	[illegible]	BDL	BDL	[illegible]	[illegible]	[illegible]	10	[illegible]	[illegible]	[illegible]	50
Lead	[illegible]	BDL	10	[illegible]	BDL	BDL	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	15
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	10	BDL	BDL	BDL	BDL	7.1	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:authistgw.mw6

TW-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*NCGQS*
Appendix I VOC's									
Toluene	BDL	170	BDL	BDL	BDL	NT	NT	NT	1,000
RCRA Metals									
Arsenic	BDL	14	BDL	15	BDL	NT	NT	NT	50
Barium	180	940	120	980	400	NT	NT	NT	2,000
Chromium	BDL	46	BDL	28	2.2	NT	NT	NT	50
Lead	3.1	**[illegible]**	BDL	**[illegible]**	**[illegible]**	NT	NT	NT	15
Selenium	BDL	6.9	BDL	BDL	BDL	NT	NT	NT	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
NT = not tested (TW-1 was dry and unable to be sampled)
data presented in micrograms per liter (ug/l)

rk:table:authistgw.tw1

TW-2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*NCGQS*
Appendix I VOC's									
Tetrachloroethene	[illegible]	BDL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.7
RCRA Metals									
Arsenic	BDL	BDL	BDL	7.4	BDL	14	BDL	19	50
Barium	210	76	240	1,200	880	1,300	100	[illegible]	2,000
Chromium	7.2	BDL	18	[illegible]	BDL	[illegible]	BDL	[illegible]	50
Lead	7.2	BDL	5.7	[illegible]	9.1	[illegible]	BDL	58	15

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:authistgw.tw2

TW-3
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*NCGQS*
Appendix I VOC's									
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	700
1,1-Dichloroethane	BDL	1	1.6	1.4	1.1	BDL	BDL	BDL	70
cis-1,2-Dichloroethene	6.8	33	11	6.7	4	BDL	BDL	BDL	70
Tetrachloroethene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.7
Trichloroethene	[illegible]	[illegible]	[illegible]	2.7	1.7	BDL	BDL	BDL	2.8
RCRA Metals									
Arsenic	BDL	BDL	BDL	BDL	5.3	9	15	11	50
Barium	220	490	210	180	510	500	1,200	800	2,000
Cadmium	BDL	BDL	BDL	1.4	[illegible]	1.4	[illegible]	[illegible]	1.75
Chromium	BDL	11	6.2	5.6	5.3	23	[illegible]	46	50
Lead	BDL	BDL	BDL	8.2	4.3	13	[illegible]	[illegible]	15

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:authistgw.tw3