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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner): Buxton Environmental, Inc
1101 South Blvd Ste 101
Charlotte, NC 28203

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Ross Klingman, P.G. Phone: 704-344-1450

E-mail: buxtonenv@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Gaston Co - Closed Auten Landfill	Monterey Pk Dr.	NA	—	11-26-07

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☑ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☑ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☑ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
☑ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
NA Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Ross Klingman President 704-344-1450

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

Signature 1-21-08 Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1266 GEOLOGIST CHARLES ROSS KLINGMAN

Revised 10/2006

SECOND SEMI-ANNUAL 2007
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

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SECOND SEMI-ANNUAL 2007
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the second semi-annual 2007 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 monitoring activities were conducted in general accordance with the North Carolina Department of Environment and Natural Resources, Division of Waste Management-Solid Waste Section (NCSWM) guidelines, and memorandums dated October 27, 2006, February 23, 2007 and October 16, 2007 concerning changes to laboratory detection limits and reporting requirements. A summary of background information, and the methods, results, conclusions and recommendations of this investigation are outlined below.

2.0 BACKGROUND INFORMATION

Based on review of aerial photographs and discussions with Gaston County personnel, the subject facility 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 Protection Standards (NCGPS).

Due to the presence of target constituents above the NCGPS, 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 NCGPS. 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 NCGPS. 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 NCGPS. Groundwater sample TW-1 did not indicate the presence of target constituents above the NCGPS. 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 associated with the "stump dump" were also identified immediately upgradient of temporary monitor wells TW-2 and TW-3 during the May 16, 2004 sampling event,

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On November 26, 207, Buxton Environmental, Inc. conducted the second semi-annual 2007 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 monitor well TW-1 was dry during the monitoring event and was unable to be sampled, due to recent drought conditions. 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 West Columbia, 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 shot 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 2007 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 0.04 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 2007 event are presented in Tables 3 and 4, respectively, and are illustrated in Figure 4. Laboratory data sheets are presented in Appendix A. Historical groundwater analytical results are presented in Appendix B.

Groundwater samples collected at monitor wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6, and temporary wells TW-2 and TW-3 indicated the presence of target constituents above the NCGPS, which are summarized below. Groundwater sample MW-1 indicated the presence of 40 ug/l lead. Groundwater sample MW-2 indicated the presence of 2.6 ug/l benzene, 15 ug/l 1,4-dichlorobenzene, 0.52J ug/l 1,2-dichloropropane (J=estimated result (<Solid Waste Section Limit (SWSL) or Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)) and 0.88J ug/l vinyl chloride. Groundwater sample MW-3 indicated the presence of 2.1 ug/l benzene, 2.3 ug/l vinyl chloride, 200 ug/l arsenic and 63 ug/l chromium. Groundwater sample MW-4 indicated the presence of 0.41J ug/l vinyl chloride and 1.9J ug/l cadmium. Groundwater sample MW-5 indicated the presence of 5.2 ug/l 1,4-dichlorobenzene and 0.41J ug/l vinyl chloride. Groundwater sample MW-6 indicated the presence of 3.2 ug/l tetrachloroethene. Groundwater sample TW-2 indicated the presence of 6.8 ug/l tetrachloroethene. Groundwater sample TW-3 indicated the presence of 3 ug/l tetrachloroethene and 2.3 ug/l cadmium. The remaining groundwater samples did not indicate target constituents above the NCGPS.

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

The trip blank indicated the presence of 3.3BJ ug/l acetone (B=detected in method blank) and 0.9BJ ug/l methylene chloride. The acetone and methylene chloride appears to be the result of laboratory contamination. The equipment blank did not indicate target constituents above method detection limits.

6.0 CONCLUSIONS

On November 27, 2007, Buxton Environmental, Inc. conducted the second semi-annual 2007 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 direction 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-4, MW-5 and MW-6, and temporary wells TW-2 and TW-3 indicated the presence of target constituents above the NCGPS.

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

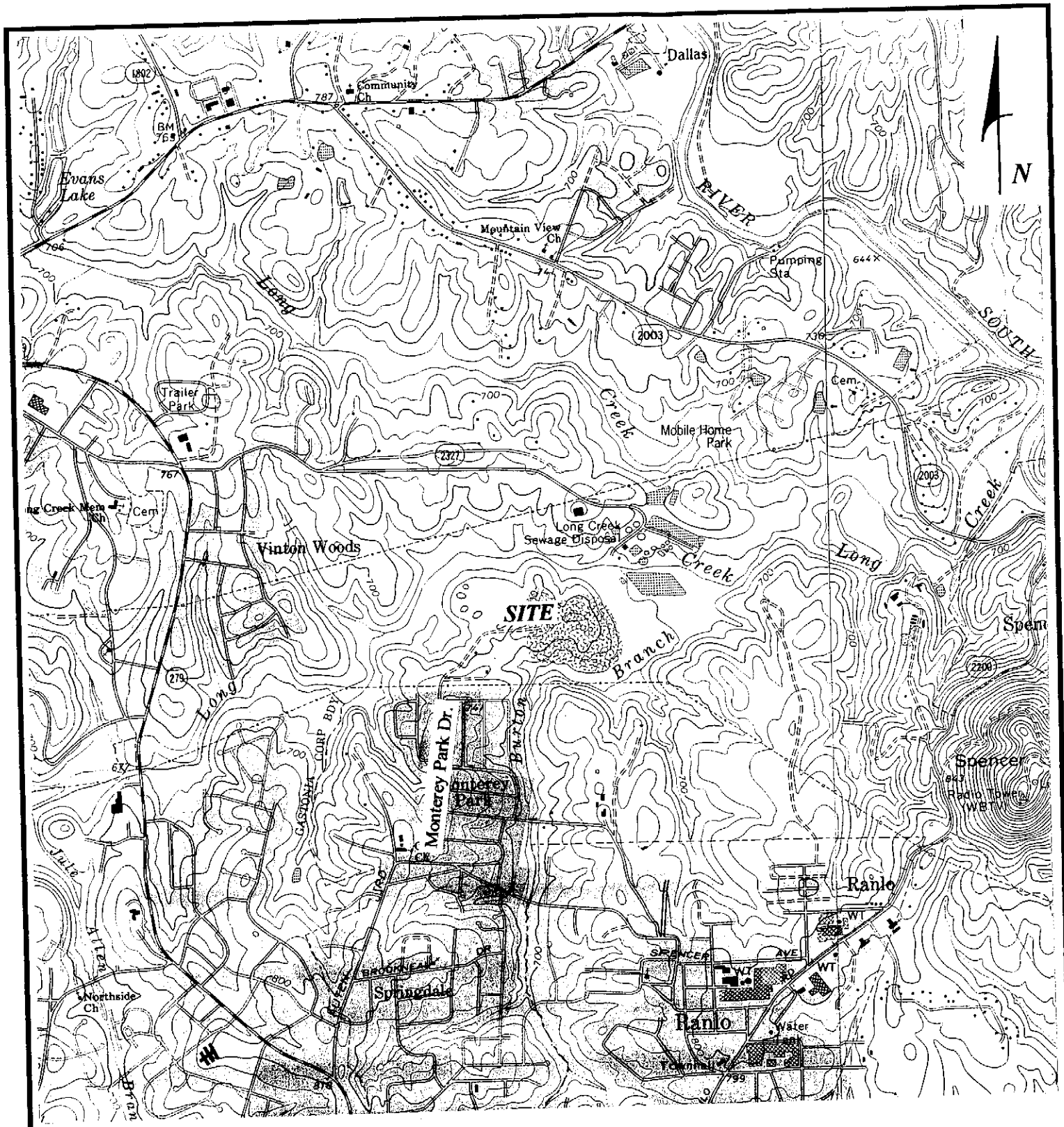
7.0 RECOMMENDATIONS

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 2008.

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

FIGURES

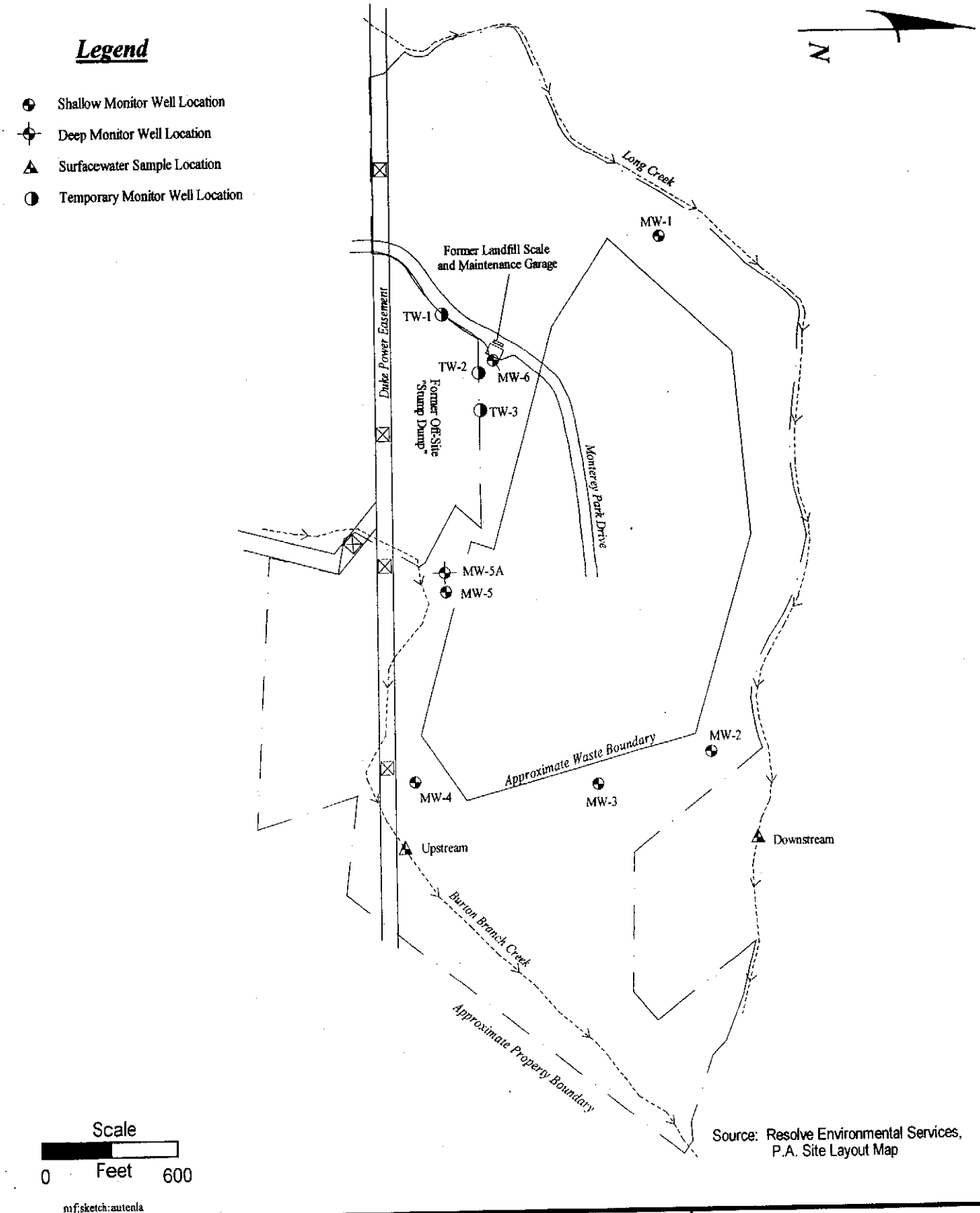


Scale

0 Feet 2,000

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

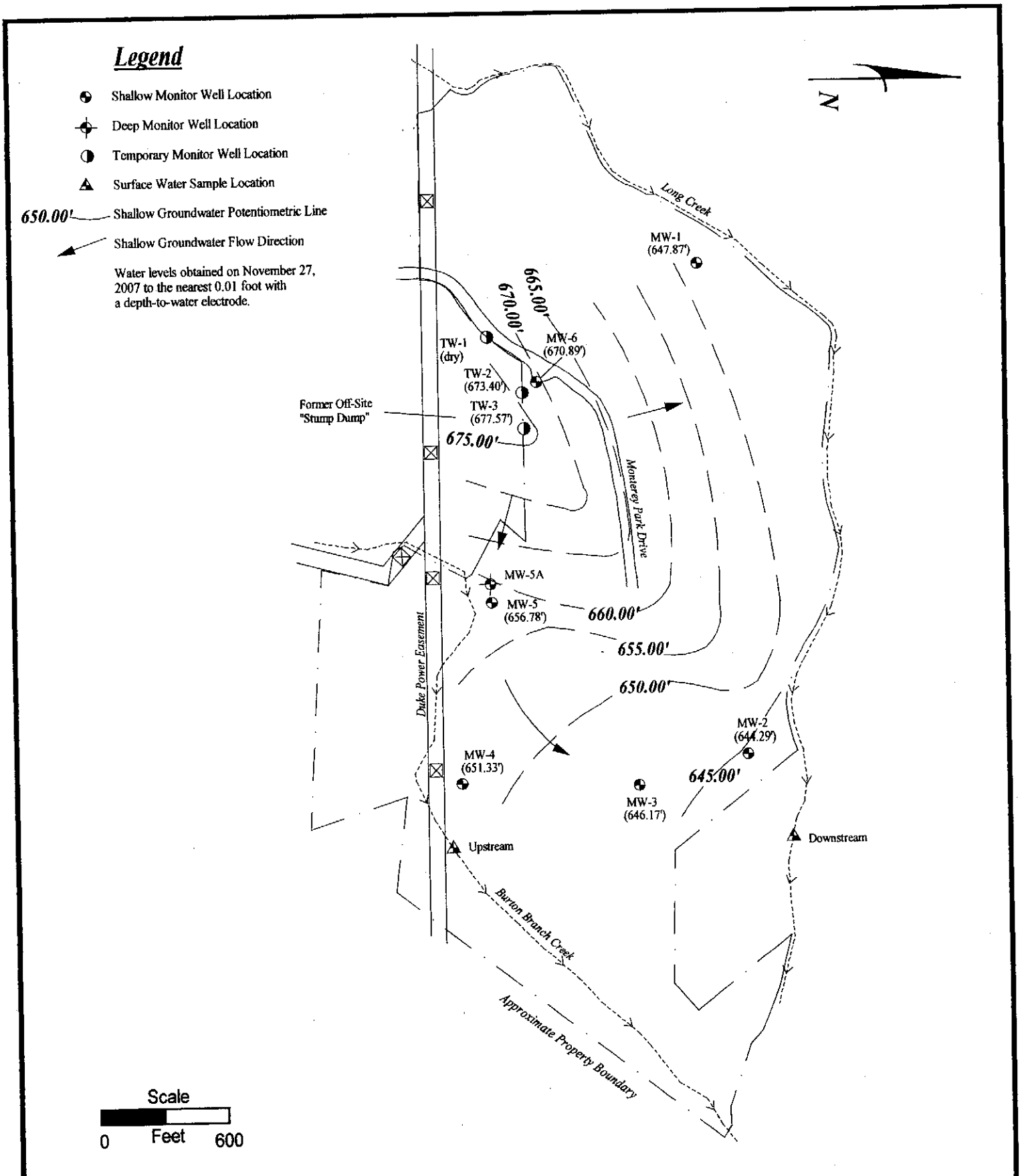
Gaston County Closed Auten Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 1. Site Location Map



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

mf:sketch:autenla

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 2007

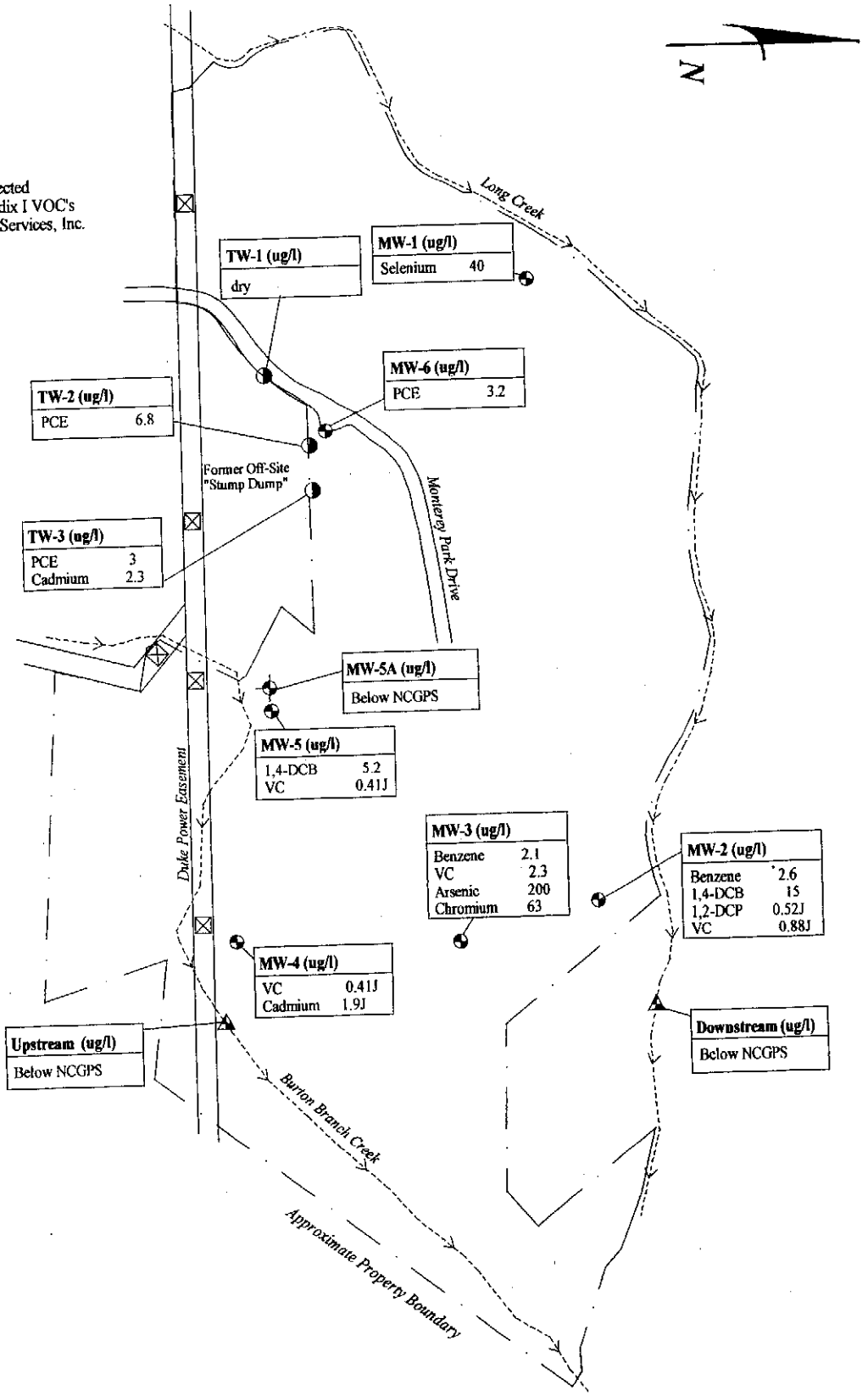
Legend

- Shallow Monitor Well Location
- Deep Monitor Well Location
- Temporary Well Location
- Surfacewater Sample Location

Groundwater and surface water samples collected November 27, 2007 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc.

DCB = Dichlorobenzene
DCP = Dichloropropane
PCE = Tetrachloroethene
VC = Vinyl Chloride
BDL = below detection limit
ug/l = microgram per liter
J = estimated result <PQL and >=MDL

Only constituents detected above North Carolina Groundwater Protection Standards (NCGPS) presented.



Scale
0 Feet 600

rk:sketch:augw506

Gaston County Closed Auten Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 4. Groundwater Analytical Results Second Semi-Annual 2007

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 27, 2007

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	17.50	657.71	9.84	647.87
MW-2	27.80	660.80	16.51	644.29
MW-3	29.50	668.87	22.70	646.17
MW-4	23.50	662.15	10.82	651.33
MW-5	21.50	667.67	10.89	656.78
MW-5A	54.00	668.32	11.03	657.29
MW-6	46.00	700.54	29.65	670.89
TW-1	37.50	708.75	dry	dry
TW-2	39.00	709.58	36.18	673.40
TW-3	45.50	715.82	38.25	677.57

Notes:
Depth to water measurements collected on November 27, 2007
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, 2007

Sample ID	***Field Parameters***		
	pH (standard units)	***K (uS)***	***T (fahrenheit)***
MW-1	6.9	210	64
MW-2	6.6	610	62
MW-3	6.6	420	65
MW-4	6.6	410	70
MW-5	6.6	380	62
MW-5A	6.6	240	62
MW-6	7.1	120	62
TW-1	dry	dry	dry
TW-2	7.1	120	62
TW-3	7.2	150	64
Upstream	6.7	180	59
Downstream	6.9	130	60

Notes:
Field parameters collected on November 27, 2007
T=temperature;K=conductivity
uS = umhos/sec

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 27, 2007

Sample ID	*MW-1*	*MW-2*	*MW-3*	*MW-4*	*MW-5*	*MW-5A*	*MW-6*	*TW-1*	*TW-2*	*TW-3*	*NCGPS*
Appendix I VOC's											
Acetone	3.3BJ	4.9BJ	3.7BJ	3BJ	4BJ	2.8BJ	BDL	NT	2.9BJ	6.3BJ	700
Benzene	BDL	**2.6**	**2.1**	0.43J	0.69J	BDL	BDL	NT	BDL	BDL	1
Chlorobenzene	3.8	4.8	1.1	0.5J	2.3	BDL	BDL	NT	BDL	BDL	50
Chloroethane	BDL	0.68J	BDL	BDL	BDL	BDL	BDL	NT	BDL	1.1J	2,800
Chloroform	BDL	BDL	BDL	BDL	BDL	0.18J	BDL	NT	BDL	BDL	70
Chloromethane	BDL	BDL	BDL	BDL	0.48J	BDL	BDL	NT	BDL	BDL	2.6
1,2-Dichlorobenzene	BDL	0.89J	BDL	BDL	0.56J	BDL	BDL	NT	BDL	BDL	24
1,4-Dichlorobenzene	0.82J	**15**	1.2	1.3	**5.2**	BDL	BDL	NT	BDL	BDL	1.4
1,1-Dichloroethane	BDL	0.43J	0.2J	0.24J	BDL	BDL	BDL	NT	BDL	0.15J	70
cis-1,2-Dichloroethene	BDL	2	4.8	1.1	1.2	BDL	0.59J	NT	0.59J	BDL	70
1,2-Dichloropropane	BDL	**0.52J**	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	0.51
2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	0.4J	280
4-Methyl-2-Pentanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	0.57J	BDL	560
Methylene Chloride	BDL	0.79BJ	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	4.6
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	**3.2**	NT	**6.8**	**3**	0.7
Toluene	BDL	0.36J	0.2J	BDL	BDL	BDL	BDL	NT	BDL	BDL	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.37J	NT	BDL	BDL	2.8
Vinyl Chloride	BDL	**0.88J**	**2.3**	**0.41J**	**0.41J**	BDL	BDL	NT	BDL	BDL	0.015
Xylenes	BDL	0.6J	0.45J	BDL	BDL	BDL	BDL	NT	BDL	BDL	530
RCRA Metals											
Arsenic	BDL	12	**200**	BDL	12	BDL	BDL	NT	BDL	BDL	50
Barium	170	51	820	77	300	82	51	NT	220	280	2,000
Cadmium	BDL	BDL	BDL	**1.9J**	1.2J	BDL	BDL	NT	BDL	**2.3**	1.75
Chromium	2.3J	BDL	**63**	BDL	6.3	BDL	BDL	NT	12	15	50
Lead	**40**	BDL	BDL	BDL	BDL	2.6J	BDL	NT	BDL	7	15
Selenium	BDL	BDL	6.1B	BDL	BDL	BDL	3.2BJ	NT	4.4BJ	BDL	50
Silver	BDL	4.7J	2.2J	BDL	4.6J	BDL	BDL	NT	BDL	BDL	17.5

Notes:
Groundwater samples collected on November 27, 2007 and analyzed for above parameters by Shealy Environmental Services, Inc. in W. Columbia, SC.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL
NT = not tested, well dry

TABLE 4
SURFACE WATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 27, 2007

Sample ID	***Upstream***	***Downstream***	***NCGPS***
Appendix I VOC's			
Acetone	3.8BJ	4.7BJ	700
Chloroform	0.14J	BDL	70
RCRA Metals			
Barium	51	26	2,000
Selenium	2.7BJ	BDL	50

Notes:
Surface water samples collected November 27, 2007 and analyzed for above parameters by Shealy Environmental Services, Inc. in W. Columbia, SC.
BDL = below detection limit
NA = not applicable
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

APPENDIX A
LABORATORY DATA SHEETS

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Buxton Environmental
PO Box 11550
Charlotte, NC 28220
Attention: Ross Klingman

Project Name: **Gaston Co. - Auten Landfill**

Lot Number: **IK29047**
Date Completed: **12/10/2007**

Michael Casalena
Project Manager

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

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

Case Narrative
Buxton Environmental
Lot Number: IK29047

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.

The sample for MW-6 (client ID) was not included on the chain of custody, and has been anaylzed per the clients request

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

Sample Summary
Buxton Environmental
Lot Number: IK29047

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	11/27/2007 1130	11/29/2007
002	MW-2	Aqueous	11/27/2007 1215	11/29/2007
003	MW-3	Aqueous	11/27/2007 1245	11/29/2007
004	MW-4	Aqueous	11/27/2007 1315	11/29/2007
005	MW-5	Aqueous	11/27/2007 1445	11/29/2007
006	MW-5A	Aqueous	11/27/2007 1415	11/29/2007
007	TW-2	Aqueous	11/27/2007 1545	11/29/2007
008	TW-3	Aqueous	11/27/2007 1600	11/29/2007
009	Upstream	Aqueous	11/27/2007 1330	11/29/2007
010	Downstream	Aqueous	11/27/2007 1200	11/29/2007
011	Trip Blank	Aqueous	10/31/2007 1430	11/29/2007
012	MW-6	Aqueous	11/27/2007 1630	11/29/2007

(12 samples)

Executive Summary
Buxton Environmental
Lot Number: IK29047

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Acetone	8260B	3.3	BJ	ug/L	6
001	MW-1	Aqueous	Chlorobenzene	8260B	3.8		ug/L	6
001	MW-1	Aqueous	1,4-Dichlorobenzene	8260B	0.82	J	ug/L	6
001	MW-1	Aqueous	Barium	6010B	0.17		mg/L	8
001	MW-1	Aqueous	Chromium	6010B	0.0023	J	mg/L	8
001	MW-1	Aqueous	Lead	6010B	0.040		mg/L	8
002	MW-2	Aqueous	Acetone	8260B	4.9	BJ	ug/L	9
002	MW-2	Aqueous	Benzene	8260B	2.6		ug/L	9
002	MW-2	Aqueous	Chlorobenzene	8260B	4.8		ug/L	9
002	MW-2	Aqueous	Chloroethane	8260B	0.68	J	ug/L	9
002	MW-2	Aqueous	1,2-Dichlorobenzene	8260B	0.89	J	ug/L	9
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	15		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethane	8260B	0.43	J	ug/L	9
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	2.0		ug/L	9
002	MW-2	Aqueous	1,2-Dichloropropane	8260B	0.52	J	ug/L	9
002	MW-2	Aqueous	Methylene chloride	8260B	0.79	BJ	ug/L	9
002	MW-2	Aqueous	Toluene	8260B	0.36	J	ug/L	9
002	MW-2	Aqueous	Vinyl chloride	8260B	0.88	J	ug/L	10
002	MW-2	Aqueous	Xylenes (total)	8260B	0.60	J	ug/L	10
002	MW-2	Aqueous	Arsenic	6010B	0.012		mg/L	11
002	MW-2	Aqueous	Barium	6010B	0.51		mg/L	11
002	MW-2	Aqueous	Silver	6010B	0.0047	J	mg/L	11
003	MW-3	Aqueous	Acetone	8260B	3.7	BJ	ug/L	12
003	MW-3	Aqueous	Benzene	8260B	2.1		ug/L	12
003	MW-3	Aqueous	Chlorobenzene	8260B	1.1		ug/L	12
003	MW-3	Aqueous	1,4-Dichlorobenzene	8260B	1.2		ug/L	12
003	MW-3	Aqueous	1,1-Dichloroethane	8260B	0.20	J	ug/L	12
003	MW-3	Aqueous	cis-1,2-Dichloroethene	8260B	4.8		ug/L	12
003	MW-3	Aqueous	Toluene	8260B	0.20	J	ug/L	12
003	MW-3	Aqueous	Vinyl chloride	8260B	2.3		ug/L	13
003	MW-3	Aqueous	Xylenes (total)	8260B	0.45	J	ug/L	13
003	MW-3	Aqueous	Arsenic	6010B	0.20		mg/L	14
003	MW-3	Aqueous	Barium	6010B	0.82		mg/L	14
003	MW-3	Aqueous	Chromium	6010B	0.063		mg/L	14
003	MW-3	Aqueous	Selenium	6010B	0.0061	B	mg/L	14
003	MW-3	Aqueous	Silver	6010B	0.0022	J	mg/L	14
004	MW-4	Aqueous	Acetone	8260B	3.0	BJ	ug/L	15
004	MW-4	Aqueous	Benzene	8260B	0.43	J	ug/L	15
004	MW-4	Aqueous	Chlorobenzene	8260B	0.50	J	ug/L	15
004	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	1.3		ug/L	15
004	MW-4	Aqueous	1,1-Dichloroethane	8260B	0.24	J	ug/L	15
004	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	1.1		ug/L	15
004	MW-4	Aqueous	Vinyl chloride	8260B	0.41	J	ug/L	16
004	MW-4	Aqueous	Barium	6010B	0.077		mg/L	17
004	MW-4	Aqueous	Cadmium	6010B	0.0019	J	mg/L	17

Executive Summary (Continued)

Lot Number: IK29047

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	MW-5	Aqueous	Acetone	8260B	4.0	BJ	ug/L	18
005	MW-5	Aqueous	Benzene	8260B	0.69	J	ug/L	18
005	MW-5	Aqueous	Chlorobenzene	8260B	2.3		ug/L	18
005	MW-5	Aqueous	Chloromethane (Methyl chloride)	8260B	0.48	J	ug/L	18
005	MW-5	Aqueous	1,2-Dichlorobenzene	8260B	0.56	J	ug/L	18
005	MW-5	Aqueous	1,4-Dichlorobenzene	8260B	5.2		ug/L	18
005	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	1.2		ug/L	18
005	MW-5	Aqueous	Vinyl chloride	8260B	0.41	J	ug/L	19
005	MW-5	Aqueous	Arsenic	6010B	0.012		mg/L	20
005	MW-5	Aqueous	Barium	6010B	0.30		mg/L	20
005	MW-5	Aqueous	Cadmium	6010B	0.0012	J	mg/L	20
005	MW-5	Aqueous	Chromium	6010B	0.0063		mg/L	20
005	MW-5	Aqueous	Silver	6010B	0.0046	J	mg/L	20
006	MW-5A	Aqueous	Acetone	8260B	2.8	BJ	ug/L	21
006	MW-5A	Aqueous	Chloroform	8260B	0.18	J	ug/L	21
006	MW-5A	Aqueous	Barium	6010B	0.082		mg/L	23
006	MW-5A	Aqueous	Lead	6010B	0.0026	J	mg/L	23
007	TW-2	Aqueous	Acetone	8260B	2.9	BJ	ug/L	24
007	TW-2	Aqueous	4-Methyl-2-pentanone	8260B	0.57	J	ug/L	24
007	TW-2	Aqueous	Tetrachloroethene	8260B	6.8		ug/L	24
007	TW-2	Aqueous	Barium	6010B	0.22		mg/L	26
007	TW-2	Aqueous	Chromium	6010B	0.012		mg/L	26
007	TW-2	Aqueous	Selenium	6010B	0.0044	BJ	mg/L	26
008	TW-3	Aqueous	Acetone	8260B	6.3	BJ	ug/L	27
008	TW-3	Aqueous	Chloroethane	8260B	1.1	J	ug/L	27
008	TW-3	Aqueous	1,1-Dichloroethane	8260B	0.15	J	ug/L	27
008	TW-3	Aqueous	2-Hexanone	8260B	0.40	J	ug/L	27
008	TW-3	Aqueous	Tetrachloroethene	8260B	3.0		ug/L	27
008	TW-3	Aqueous	Barium	6010B	0.28		mg/L	29
008	TW-3	Aqueous	Cadmium	6010B	0.0023		mg/L	29
008	TW-3	Aqueous	Chromium	6010B	0.015		mg/L	29
008	TW-3	Aqueous	Lead	6010B	0.0070		mg/L	29
009	Upstream	Aqueous	Acetone	8260B	3.8	BJ	ug/L	30
009	Upstream	Aqueous	Chloroform	8260B	0.14	J	ug/L	30
009	Upstream	Aqueous	Barium	6010B	0.051		mg/L	32
009	Upstream	Aqueous	Selenium	6010B	0.0027	BJ	mg/L	32
010	Downstream	Aqueous	Acetone	8260B	4.7	BJ	ug/L	33
010	Downstream	Aqueous	Barium	6010B	0.026		mg/L	35
011	Trip Blank	Aqueous	Acetone	8260B	3.3	BJ	ug/L	36
011	Trip Blank	Aqueous	Methylene chloride	8260B	0.90	BJ	ug/L	36
012	MW-6	Aqueous	cis-1,2-Dichloroethene	8260B	0.59	J	ug/L	38
012	MW-6	Aqueous	Tetrachloroethene	8260B	3.2		ug/L	38
012	MW-6	Aqueous	Trichloroethene	8260B	0.37	J	ug/L	38
012	MW-6	Aqueous	Barium	6010B	0.051		mg/L	40
012	MW-6	Aqueous	Selenium	6010B	0.0032	BJ	mg/L	40

(90 detections)

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **11/27/2007 1130**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1116	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**3.3**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**3.8**		**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**0.82**	**J**	**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **IK29047-001**
Description: **MW-1**
Matrix: **Aqueous**
Date Sampled: **11/27/2007 1130**
Date Received: **11/29/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1116	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-138
Bromofluorobenzene		101	70-147
Toluene-d8		107	70-125

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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

RCRA Metals

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **11/27/2007 1130**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2102	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 1947	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.17**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.0023**	**J**	**0.0050**	**0.0021**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.040**		**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **11/27/2007 1215**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1137	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**4.9**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**2.6**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**4.8**		**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**0.68**	**J**	**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**0.89**	**J**	**1.0**	**0.30**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**15**		**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.43**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2.0**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	**78-87-5**	**8260B**	**0.52**	**J**	**1.0**	**0.19**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**0.79**	**BJ**	**1.0**	**0.13**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.36**	**J**	**1.0**	**0.17**	**ug/L**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	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"

B = Detected in the method blank
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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **11/27/2007 1215**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1137	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**0.88**	**J**	**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**0.60**	**J**	**1.0**	**0.22**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-138
Bromofluorobenzene		102	70-147
Toluene-d8		107	70-125

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

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

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

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RCRA Metals

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **11/27/2007 1215**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2104	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 1953	KJC	11/30/2007 1720	68772
2	3005A	6010B	1	12/06/2007 0123	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.012**		**0.0050**	**0.0040**	**mg/L**	**2**
Barium	**7440-39-3**	**6010B**	**0.51**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	**7440-22-4**	**6010B**	**0.0047**	**J**	**0.0050**	**0.00040**	**mg/L**	**1**

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

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **11/27/2007 1245**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1159	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**3.7**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**2.1**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**1.1**		**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**1.2**		**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.20**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**4.8**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.20**	**J**	**1.0**	**0.17**	**ug/L**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **11/27/2007 1245**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1159	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**2.3**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**0.45**	**J**	**1.0**	**0.22**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-138
Bromofluorobenzene		101	70-147
Toluene-d8		107	70-125

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

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

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RCRA Metals

Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **11/27/2007 1245**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2105	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/06/2007 0129	KJC	11/30/2007 1720	68772
2	3005A	6010B	1	12/07/2007 0010	KJC	11/30/2007 1720	68772
3	3005A	6010B	1	12/09/2007 2149	KJC	12/07/2007 1900	69206

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.20**		**0.0050**	**0.0040**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.82**		**0.025**	**0.0075**	**mg/L**	**2**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.063**		**0.0050**	**0.0021**	**mg/L**	**3**
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0061**	**B**	**0.0050**	**0.0026**	**mg/L**	**2**
Silver	**7440-22-4**	**6010B**	**0.0022**	**J**	**0.0050**	**0.00040**	**mg/L**	**1**

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

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

E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **11/27/2007 1315**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1220	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**3.0**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.43**	**J**	**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.50**	**J**	**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**1.3**		**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.24**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.1**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **IK29047-004**
Description: **MW-4**
Matrix: **Aqueous**
Date Sampled: **11/27/2007 1315**
Date Received: **11/29/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1220	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**0.41**	**J**	**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-138
Bromofluorobenzene		101	70-147
Toluene-d8		107	70-125

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

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

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

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RCRA Metals

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **11/27/2007 1315**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2108	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 2005	KJC	11/30/2007 1720	68772
2	3005A	6010B	1	12/06/2007 0136	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.077**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0019**	**J**	**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	2
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **11/27/2007 1445**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1242	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**4.0**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.69**	**J**	**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**2.3**		**1.0**	**0.14**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	**74-87-3**	**8260B**	**0.48**	**J**	**1.0**	**0.35**	**ug/L**	**1**
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**0.56**	**J**	**1.0**	**0.30**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**5.2**		**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.2**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **11/27/2007 1445**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1242	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**0.41**	**J**	**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-138
Bromofluorobenzene		101	70-147
Toluene-d8		108	70-125

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

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

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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RCRA Metals

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **11/27/2007 1445**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2109	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 2041	KJC	11/30/2007 1720	68772
2	3005A	6010B	1	12/06/2007 0200	KJC	11/30/2007 1720	68772
3	3005A	6010B	1	12/09/2007 2155	KJC	12/07/2007 1900	69206

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.012**		**0.0050**	**0.0040**	**mg/L**	**2**
Barium	**7440-39-3**	**6010B**	**0.30**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0012**	**J**	**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.0063**		**0.0050**	**0.0021**	**mg/L**	**3**
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	**7440-22-4**	**6010B**	**0.0046**	**J**	**0.0050**	**0.00040**	**mg/L**	**1**

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

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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-5A**
Date Sampled: **11/27/2007 1415**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1304	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.8**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.18**	**J**	**1.0**	**0.12**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-5A**
Date Sampled: **11/27/2007 1415**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1304	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-138
Bromofluorobenzene		102	70-147
Toluene-d8		108	70-125

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

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E = Quantitation of compound exceeded the calibration range
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RCRA Metals

Client: **Buxton Environmental**
Description: **MW-5A**
Date Sampled: **11/27/2007 1415**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2110	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 2047	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.082**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.0026**	**J**	**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **11/27/2007 1630**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/04/2007 2337	DLB		68977

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.59**	**J**	**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**3.2**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**0.37**	**J**	**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **11/27/2007 1630**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/04/2007 2337	DLB		68977

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130
Bromofluorobenzene		111	70-147
Toluene-d8		100	70-130

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

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

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

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RCRA Metals

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **11/27/2007 1630**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2118	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 2117	KJC	11/30/2007 1720	68772
2	3005A	6010B	1	12/06/2007 0230	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.051**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	2
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0032**	**BJ**	**0.0050**	**0.0026**	**mg/L**	**1**
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **TW-2**
Date Sampled: **11/27/2007 1545**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1325	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.9**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	**108-10-1**	**8260B**	**0.57**	**J**	**10**	**0.31**	**ug/L**	**1**
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**6.8**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

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J = Estimated result < PQL and ≥ MDL

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **TW-2**
Date Sampled: **11/27/2007 1545**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1325	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-138
Bromofluorobenzene		101	70-147
Toluene-d8		108	70-125

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

Client: **Buxton Environmental**
Description: **TW-2**
Date Sampled: **11/27/2007 1545**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2112	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 2053	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.22**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.012**		**0.0050**	**0.0021**	**mg/L**	**1**
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0044**	**BJ**	**0.0050**	**0.0026**	**mg/L**	**1**
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **TW-3**
Date Sampled: **11/27/2007 1600**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1347	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**6.3**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	**75-00-3**	**8260B**	**1.1**	**J**	**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.15**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	**591-78-6**	**8260B**	**0.40**	**J**	**10**	**0.27**	**ug/L**	**1**
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**3.0**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	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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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **IK29047-008**
Description: **TW-3**
Matrix: **Aqueous**
Date Sampled: **11/27/2007 1600**
Date Received: **11/29/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1347	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-138
Bromofluorobenzene		103	70-147
Toluene-d8		108	70-125

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

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

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

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RCRA Metals

Client: **Buxton Environmental**
Description: **TW-3**
Date Sampled: **11/27/2007 1600**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2113	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 2059	KJC	11/30/2007 1720	68772
2	3005A	6010B	1	12/06/2007 0218	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.28**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0023**		**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.015**		**0.0050**	**0.0021**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.0070**		**0.0030**	**0.0019**	**mg/L**	**2**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **11/27/2007 1330**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1408	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**3.8**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.14**	**J**	**1.0**	**0.12**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **11/27/2007 1330**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1408	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-138
Bromofluorobenzene		100	70-147
Toluene-d8		107	70-125

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

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

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

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RCRA Metals

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **11/27/2007 1330**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2114	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 2105	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.051**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0027**	**BJ**	**0.0050**	**0.0026**	**mg/L**	**1**
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **IK29047-010**
Description: **Downstream**
Matrix: **Aqueous**
Date Sampled: **11/27/2007 1200**
Date Received: **11/29/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1430	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**4.7**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Downstream**
Date Sampled: **11/27/2007 1200**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1430	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-138
Bromofluorobenzene		101	70-147
Toluene-d8		106	70-125

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

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RCRA Metals

Client: **Buxton Environmental**
Description: **Downstream**
Date Sampled: **11/27/2007 1200**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/30/2007 2115	FLW	11/30/2007 1514	68768
1	3005A	6010B	1	12/03/2007 2111	KJC	11/30/2007 1720	68772
2	3005A	6010B	1	12/06/2007 0224	KJC	11/30/2007 1720	68772

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.026**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	2
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Trip Blank**
Date Sampled: **10/31/2007 1430**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1452	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**3.3**	**BJ**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**0.90**	**BJ**	**1.0**	**0.13**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	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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N = Recovery is out of criteria

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Trip Blank**
Date Sampled: **10/31/2007 1430**
Date Received: **11/29/2007**

Laboratory ID: **IK29047-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/30/2007 1452	DLB		68719

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-138
Bromofluorobenzene		101	70-147
Toluene-d8		106	70-125

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

B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
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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 81284

Client: Burton Environmental Inc
Address: 1101 South Blvd Ste 101
City: Charlotte | State: NC | Zip Code: 28203
Project Name: Gaston Co. - Auten Landfill
Project No.:
Report to Contact: Ross Klingman
Sampler's Signature:
Printed Name:
Telephone No. / Fax No. / E-mail: 704-344-1450
Voucher No.:
Page 1 of 1
Analysis (Attach additional sheets if more space is needed.)
Lab No.: IK29047
Receipt / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	No. of Containers	Matrix: Drinking Water	Matrix: Solid	Matrix: Other Liquids	No. of Containers by Preservative Type	ARPT VOCs	Extra metals	
MW-1	11-27-07	11:30	6	✓				X	X	
MW-2	"	12:15	6	✓				X	X	
MW-3	"	12:45	6	✓				X	X	
MW-4	"	13:15	6	✓				X	X	
MW-5	"	14:45	6	✓				X	X	
MW-5A	"	14:15	6	✓				X	X	
TW-2	"	15:45	6	✓				X	X	
TW-3	"	16:00	6	✓				X	X	
Upstream	"	15:30	6	✓				X	X	
Downstream	"	12:00	6	✓				X	X	
TRIP BLANK	10-31-07	14:30	4	✓				X		

Rush T.A.T.

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

Sample Disposal: ☐ Return to Client ☐ Discard 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) Rush T.A.T.

QC Requirements (Specify): Analyze per new NC Solid Waste Rules w/ J+B Flags for low detects

	Date	Time		Date	Time
1. Relinquished by	11-28-07	9:30	1. Received by	11-28-07	11:15
2. Relinquished by	11-29-07	850	2. Received by	11-29-07	850
3. Relinquished by	11-29-07	1520	3. Received by	11-29-07	1520

Comments:

LAB USE ONLY: Received on ice (Circle) Yes No Ice Pack Receipt Temp: 3.6 °C

DISTRIBUTION: White & YELLOW (OK Return to Laboratory with Samples); PINK-From Client Copy

Document Number: F-AD-012 Effective Date: 09-04-07

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: T-AD-016
Revision Number: 5

Page 1 of 1
Replaces Date: 09/27/06
Effective Date: 10/04/07

Sample Receipt Checklist

Client: Gusta Co. Cooler Inspected by/date: FLW / 11/29/07 Lot #: IK 29047

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

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

Cooler ID/temperature upon receipt 3.6 °C / °C / °C / °C / °C / °C / °C / °C

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

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

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by (e.g., phone, note).
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☐	No ☑	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☑	No ☑	NA ☐	15. Were there any excess samples not listed on COC? MW-6 11/27/07 @ 10:30
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

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

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

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

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

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

Corrective Action taken, if necessary:

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

SESI employee: _____ Date of response: _____

Comments: Red bottles for MW-6 but not listed on COC. [illegible]

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 81284

Client: Buxton Environmental Inc	Report to Contact: Ross Illingman	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: Gaston Co. - Auten Landfill			
Project No.	P.O. No.		Lot No. IK29047

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			ARP I VOCs	RCRA METALS									Remarks / Cooler I.D.
MW-1	11-27-07	11:30	G	✓											X	X									7 Day T.A.T
MW-2	"	12:15	G	✓											X	X									
MW-3	"	12:45	G	✓											X	X									
MW-4	"	13:15	G	✓											X	X									
MW-5	"	14:45	G	✓											X	X									
MW-5A	"	14:15	G	✓											X	X									
TW-2	"	15:45	G	✓											X	X									SAMPLE MW-6 IS TO BE ANALYZED PER CLIENTS REQUEST (11-30-07) MRC
TW-3	"	16:00	G	✓											X	X									
UPSTREAM	"	13:30	G	✓											X	X									
Downstream	"	12:00	G	✓											X	X									
TRIP BLANK	10-31-07	14:30	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.) 7 Day T.A.T. ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify): ANALYZE PER NEW NC SOLID WASTE Rules w/ J+B Flowbelt

	Date	Time		Date	Time
1. Relinquished by	11-28-07	9:30	1. Received by	11-28-07	16:15
2. Relinquished by	11-29-07	850	2. Received by	11-29-07	850
3. Relinquished by	[redacted]	1520	3. Laboratory received by	11-29-07	1520

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 3.6 °C

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

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

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

Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist

Client: Buxton Gaston Co. Cooler Inspected by/date: FLW / 11/29/07 Lot #: IK 29047

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

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

Cooler ID/temperature upon receipt 3.6 °C / °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

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

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by _____ (e.g., phone, note).
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☐	No ☑	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☑	No ☑	NA ☐	15. Were there any excess samples not listed on COC? MW-6 11/27/07 @ 1630
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

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

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

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

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

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

Corrective Action taken, if necessary:

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

SESI employee: _____ Date of response: _____

Comments: Rec'd - bottles for MW-6 but not listed on COC. LCW

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Equipment Blank**
Date Sampled: **11/13/2007 0900**
Date Received: **11/16/2007**

Laboratory ID: **IK15059-025**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2007 1809	LH		68139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.2	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.15	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.12	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.11	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.13	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.27	ug/L	1

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

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

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

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Equipment Blank**
Date Sampled: **11/13/2007 0900**
Date Received: **11/15/2007**

Laboratory ID: **IK15059-025**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2007 1809	LH		68139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.22	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	52-138
Bromofluorobenzene		103	70-147
Toluene-d8		108	76-125

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

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

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

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

SHEALY Chain of Custody Record

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

Number 81273

Client: Duke Energy Corporation	Report to Contact: Todd Dugan	Telephone No. / Fax No. / E-mail: [illegible]	Quote No.
Address: 1101 South Blvd Ste 101	Sampler's Signature: X	Waybill No.	Page 3 of 3
City: Charlotte; State: NC; Zip Code: 28203	Printed Name	Analysis (Attach list if more space is needed.)	
Project Name: Coastal Plain Landfill-Ash Site 510			
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	ABF 3 VOC	Remarks / Cooler I.D.
Equipment Blank	11-15-07	9:00	G										X	

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

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

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

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

QC Requirements (Specify): Analyze Trip Blank and NC Solid Waste Rules 4/8 J Flags

	Date	Time		Date	Time
1. Relinquished by: Todd Dugan	11-15-07	15:00	1. Received by: [illegible]	11-15-07	1500
2. Relinquished by			2. Received by		
3. Relinquished by			3. Laboratory received by		

Comments

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

Receipt Temp. _____ °C

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

APPENDIX B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

MW-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED 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*	*6/07*	*11/07*	*NCGPS*
Appendix I VOC's																							
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.3BJ	700
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.5	BDL	BDL	0.34J	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	14	3.8	50
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.54J	BDL	24
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	[illegible]	[illegible]	BDL	BDL	BDL	4.2	[illegible]	2.4	2.7	BDL	1.6	[illegible]	BDL	1.2	[illegible]	BDL	[illegible]	0.82J	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	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	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	4.1J	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	240	170	2,000
Cadmium	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	1.75
Chromium	32	[illegible]	27	48	BDL	22	45	[illegible]	14	BDL	9	BDL	BDL	14	28	11	BDL	15	12	BDL	14	2.3J	50
Lead	[illegible]	[illegible]	[illegible]	[illegible]	BDL	[illegible]	[illegible]	[illegible]	BDL	BDL	5	BDL	120	[illegible]	48	[illegible]	11	[illegible]	[illegible]	[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	BDL	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.74BJ	BDL	17.5
Mercury	BDL	BDL	BDL	1	BDL	BDL	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

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

rk:table:authistgw.mw1

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

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*	*6/07*	*11/07*	*NCGPS*
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	8.5J	4.9BJ	700
Benzene	**5**	BDL	BDL	BDL	BDL	**5**	BDL	BDL	BDL	**3.5**	**4**	**3.8**	**3.4**	**2.2**	**4.2**	**3.1**	**3.2**	**2.6**	[illegible]	[illegible]	**2.4**	**2.6**	1
Carbon Disulfide	29	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	1.5	BDL	BDL	BDL	BDL	BDL	BDL	0.42J	BDL	2,800
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	5.5	4.8	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.68J	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	0.84J	0.89J	24
1,4-Dichlorobenzene	**26**	**19**	**19**	**16**	**26**	**26**	**21**	**20**	**24**	**23.9**	**23.5**	**21**	**11**	**12**	**17**	**16**	**14**	**16**	**19**	**17**	[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	0.64J	0.43J	70
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	[illegible]	0.51
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	3.9	2	70
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	2.4	BDL	2.5	BDL	BDL	BDL	BDL	BDL	550
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.79BJ	4.6
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.23J	BDL	0.51
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38J	0.36J	1,000
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6**	[illegible]	[illegible]	[illegible]	BDL	[illegible]	BDL	BDL	[illegible]	[illegible]	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	0.71J	0.6J	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	7.9	12	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	480	51	2,000
Cadmium	[illegible]	[illegible]	[illegible]	[illegible]	BDL	[illegible]	[illegible]	[illegible]	1	BDL	[illegible]	BDL	BDL	BDL	[illegible]	BDL	BDL	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	BDL	BDL	50
Lead	[illegible]	[illegible]	[illegible]	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	10	BDL	5.8	BDL	7	BDL	BDL	15
Mercury	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	17	BDL	17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.7J	17.5

Notes:

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

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-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*	*6/07*	*11/07*	*NCGPS*
Appendix I VOC's																							
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.2J	3.7BJ	700
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	[illegible]	[illegible]	BDL	BDL	[illegible]	[illegible]	BDL	[illegible]	[illegible]	[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	0.62J	BDL	700
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.96J	1.1	50
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17J	0.2J	70
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	4.2	4.8	70
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2J	1,000
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	[illegible]	BDL	BDL	BDL	[illegible]	BDL	BDL	[illegible]	BDL	BDL	[illegible]	[illegible]	0.015
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.45J	530
RCRA Metals																							
Arsenic	BDL	5	BDL	BDL	BDL	BDL	16	BDL	BDL	BDL	BDL	BDL	23	43	29	[illegible]	11	44	31	15	[illegible]	[illegible]	50
Barium	420	350	380	BDL	BDL	BDL	680	BDL	BDL	213	73	110	81	700	390	740	120	380	390	200	260	820	2,000
Cadmium	BDL	[illegible]	BDL	BDL	[illegible]	[illegible]	[illegible]	BDL	BDL	BDL	1	BDL	BDL	BDL	[illegible]	BDL	BDL	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	22	[illegible]	50
Lead	[illegible]	[illegible]	[illegible]	[illegible]	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	15	[illegible]	BDL	[illegible]	13	6.5	14	14	15
Mercury	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	19	BDL	9.4	BDL	BDL	BDL	BDL	6.3	BDL	BDL	6.1B	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.2J	50

Notes:

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

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

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*	*6/07*	*11/07*	*NCGPS*
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	1.2J	3BJ	700
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.64J	0.43J	1
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2J	BDL	700
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.55J	0.5J	50
1,4-Dichlorobenzene	BDL	BDL	BDL		BDL		BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	1.2	BDL	1.3	BDL	BDL	0.53J	1.3	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18J	0.24J	70
1,2-Dichloroethane		BDL	BDL		BDL		BDL	BDL	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	0.21J	1.1	70
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			0.015
RCRA Metals																							
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9	6.5	BDL	BDL	6.7	BDL	BDL	BDL	BDL	50
Barium	1,500	490	160		BDL	BDL	BDL	BDL	BDL	79	65	80	91	200	270	310	120	150	120	220	54	77	2,000
Cadmium			BDL	1.7					BDL	BDL	1	BDL	BDL	BDL	BDL	1.1		BDL	BDL	1.2	1.3J		1.75
Chromium		44	6	15	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	18	26	27	BDL	9.6	5.8	21	3J	BDL	50
Lead			13		BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.2	14		3.8	BDL	3.8	8.5	BDL	BDL	15
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5BJ	BDL	17.5
Mercury	BDL	BDL	BDL		BDL	BDL	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.

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VOC's = volatile organic compounds

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data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

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*	*6/07*	*11/07*	*NCGPS*
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	2.8J	4BJ	700
Benzene		BDL	BDL	BDL		BDL		BDL		BDL	BDL			BDL								0.69J	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	0.67J	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	18	2.3	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.71J	BDL	2,800
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.48J	2.6
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	5	0.56J	24
1,4-Dichlorobenzene				BDL								8.8		6.0	25	BDL	26	32			24		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	0.97J	BDL	70
1,2-Dichloroethane				BDL						BDL	BDL	BDL	BDL				BDL	BDL		BDL	1.2	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	2.4	1.2	70
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17J	BDL	100
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.32J	BDL	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2J	BDL	2.8
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			0.015
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.3	BDL	2.3	BDL	BDL	BDL	BDL	BDL	BDL	0.32J	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	5.8	12	50
Barium	240	510	450	620	BDL	620	BDL	BDL	BDL	75	97	120	91	180	520	310	300	280	250	320	240	300	2,000
Cadmium	BDL			1					BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL	BDL	BDL	BDL	1.2J	1.75
Chromium	BDL	10	3	35	BDL	14	BDL	BDL	BDL	BDL	BDL	12	BDL	BDL	11	BDL	BDL	5.9	BDL	BDL	4.3J	6.3	50
Lead	7						BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12	7.4	BDL	10	BDL	BDL	2.6J	BDL	15
Mercury	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	36	12	9	15	BDL	14	9.5	BDL	BDL	BDL	5.2	BDL	BDL	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.6J	50

Notes:

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

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

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*	*6/07*	*11/07*	*NCGPS*
Appendix I VOC's																
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.9J	2.8BJ	700
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.16J	BDL	700
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18J	70
Bromoform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.8	BDL	BDL	4.43
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	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	BDL	BDL	50
Barium	BDL	BDL	59	60	100	140	130	140	120	170	110	150	140	160	82	2,000
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	BDL	BDL	1.75
Lead	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6J	15
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.81BJ	BDL	17.5

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

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*	*6/07*	*11/07*	*NCGPS*
Appendix I VOC's																
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	1.3	BDL	BDL	BDL	BDL	BDL	0.59J	70
Tetrachloroethene	[illegible]	6.9	6	5.4	4.6	BDL	BDL	4.9	4.1	2.8	3.8	3.5	3.4	BDL	3.2	0.7
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	0.37J	2.8
RCRA Metals																
Arsenic	[illegible]	BDL	15	[illegible]	BDL	BDL	21	29	24	BDL	33	22	24	BDL	BDL	50
Barium	[illegible]	BDL	504	1,720	48	120	820	1,500	1,700	540	1,700	1,300	1,400	65	51	2,000
Cadmium	[illegible]	BDL	BDL	[illegible]	BDL	BDL	BDL	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	[illegible]	BDL	44	[illegible]	BDL	BDL	[illegible]	[illegible]	[illegible]	10	[illegible]	[illegible]	[illegible]	4.1J	BDL	50
Lead	[illegible]	BDL	10	[illegible]	BDL	BDL	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	8.5	BDL	15
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	10	BDL	BDL	BDL	BDL	7.1	BDL	BDL	3.2BJ	50

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

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*	*6/07*	*11/07*	*NCGPS*
Appendix I VOC's											
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	0.19J	NT	0.7
Toluene	BDL	170	BDL	BDL	BDL	NT	NT	NT	BDL	NT	1,000
RCRA Metals											
Arsenic	BDL	14	BDL	15	BDL	NT	NT	NT	24J	NT	50
Barium	180	940	120	980	400	NT	NT	NT	[illegible]	NT	2,000
Cadmium	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	[illegible]	NT	1.75
Chromium	BDL	46	BDL	28	2.2	NT	NT	NT	[illegible]	NT	50
Lead	3.1	[illegible]	BDL	[illegible]	[illegible]	NT	NT	NT	[illegible]	NT	15
Mercury	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	0.071J	NT	1.05
Silver	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	8.6BJ	NT	17.5
Selenium	BDL	6.9	BDL	BDL	BDL	NT	NT	NT	25	NT	50

Notes:
Groundwater samples collected on above listed dates and analyzed for
Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGPS
NT = not tested (TW-1 was dry and unable to be sampled)
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

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*	*6/07*	*11/07*	*NCGPS*
Appendix I VOC's											
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.9BJ	700
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.59J	70
4-Methyl-2-Pentanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.57J	560
Tetrachloroethene	[illegible]	BDL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.7
RCRA Metals											
Arsenic	BDL	BDL	BDL	7.4	BDL	14	BDL	19	BDL	BDL	50
Barium	210	76	240	1,200	880	1,300	100	[illegible]	120	220	2,000
Chromium	7.2	BDL	18	[illegible]	BDL	[illegible]	BDL	[illegible]	7.1	12	50
Lead	7.2	BDL	5.7	[illegible]	9.1	[illegible]	BDL	58	3.8	BDL	15
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.4BJ	50

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

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*	*6/07*	*11/07*	*NCGPS*
Appendix I VOC's											
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.3BJ	700
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	BDL	700
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1J	2,800
1,1-Dichloroethane	BDL	1	1.6	1.4	1.1	BDL	BDL	BDL	BDL	0.15J	70
cis-1,2-Dichloroethene	6.8	33	11	6.7	4	BDL	BDL	BDL	BDL	BDL	70
2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.4J	280
Tetrachloroethene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BDL	[illegible]	0.7
Trichloroethene	[illegible]	[illegible]	[illegible]	2.7	1.7	BDL	BDL	BDL	BDL	BDL	**2.8**
RCRA Metals											
Arsenic	BDL	BDL	BDL	BDL	5.3	9	15	11	4.1J	BDL	50
Barium	220	490	210	180	510	500	1,200	800	240	280	2,000
Cadmium	BDL	BDL	BDL	1.4	[illegible]	1.4	[illegible]	[illegible]	[illegible]	[illegible]	1.75
Chromium	BDL	11	6.2	5.6	5.3	23	[illegible]	46	9.8	1.5	50
Lead	BDL	BDL	BDL	8.2	4.3	13	[illegible]	[illegible]	5	7	15

Notes:

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

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

rk:table:authistgw.tw3