DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- 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 Cramerton Landfill	Cramerton Rd.	3601 NA	—	6-5-07

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.
N ☒ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

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

Ross Klingman P.G. President 704-344-1450

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

Affix NC Licensed/ Professional Geologist Seal

Signature 8-28-07 Date

Revised 10/2006

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

Prepared for:

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

July 18, 2007

Prepared by:

Ross Klingman, P.G.
Senior Geologist

NORTH CAROLINA LICENSED SEAL 1266 GEOLOGIST CHARLES ROSS KLINGMAN

Buxton Environmental, Inc.
1101 South Blvd., Suite 101
Charlotte, North Carolina 28203
Ph (704) 344-1450 Fax (704) 344-1451

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

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

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the first semi-annual 2007 groundwater and surface water monitoring activities conducted at the Gaston County Closed Cramerton 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 and February 23, 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 1966 until it closed in 1984. The subject property consists of approximately 44 acres and contains a Colonial Pipeline (petroleum) easement across the central portion of the site. Two landfill areas, one located northwest of the pipeline and one located southeast of the pipeline, were filled during operation.

To comply with NCSWM guidelines, semi-annual groundwater monitoring was initiated in April 1997 at eight shallow monitor wells MW-1 through MW-8. The groundwater samples were analyzed for Appendix I volatile organic compounds (VOC's) and RCRA metals. Groundwater samples collected at the site during these activities 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 Cramerton Closed Landfill* report prepared by Resolve Environmental Services, P.A., two deep monitor wells MW-2D and MW-6D and one shallow monitor well MW-7A were installed at the site. The three wells were installed immediately adjacent to monitor wells MW-2, MW-6 and MW-7, respectively. Groundwater sample MW-2D indicated the presence of 68 micrograms per liter (ug/l) lead, which is above the NCGPS. Groundwater sample MW-6D indicated the presence of 20 ug/l lead and 9 ug/l benzene, which are above the NCGPS. Groundwater sample MW-7A indicated the presence of 22 ug/l lead and 6 ug/l 1,2-dichloroethane, which are above the NCGPS. During the assessment, 34 water supply wells were identified within a 0.5 mile radius of the former landfill. According to the report, these water supply wells were either located upgradient of the landfill or were separated by a shallow groundwater divide.

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-6D and MW-7A to determine the extent of affected groundwater. Gaston County Public Works is currently evaluating the purchase of immediately adjacent property to serve as a buffer for affected groundwater detected at the site.

Gaston County recently purchased 2.44 acres of property on the eastern corner of the site located immediately adjacent to monitor well MW-7A.

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On June 5, 2007, Buxton Environmental, Inc. conducted the first semi-annual 2007 groundwater and surface water monitoring event at the subject site. Groundwater monitoring activities were conducted at eight shallow monitor wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7A and MW-8, and two deep monitor wells MW-2D and MW-6D. Surface water samples Upstream and Downstream were also collected during these activities.

Prior to conducting the sampling activities, groundwater levels were obtained from each well with a depth-to-water electrode to the nearest 0.01 foot. Following the gauging activities, each well was purged of three well bore volumes of water with a disposable Teflon bailer attached to new nylon rope. Purge water was poured on the ground surface at respective well heads. Field parameters including pH, conductivity and temperature were collected following purging at each well and at each surface water sample location. Groundwater gauging and field parameter data are provided in Tables 1 and 2, respectively.

The groundwater and surface water samples were analyzed for Appendix I VOC's by EPA Method 8260B, and 8 RCRA metals by EPA Methods 6010B and 7470A. For quality control purposes, one trip blank and one equipment blank were analyzed for Appendix I VOC's. The trip blank was prepared by the laboratory and the de-ionized water utilized for the equipment blank was supplied by the laboratory. The laboratory analyses were conducted by Shealy Environmental Services, Inc. in Cayce, South Carolina. The water samples were collected in general accordance with accepted protocol, including chain-of-custody documentation.

The monitor wells were locked and appeared to be in good condition during the sampling event.

4.0 GROUNDWATER FLOW DIRECTION

Based on groundwater levels obtained on June 5, 2007, shallow groundwater flow at the site is to the south, southwest, northwest and southeast. 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 MW-1 and MW-3. An upward vertical gradient of 0.02 ft/ft was observed at nested monitor wells MW-2 and MW-2D, and a downward gradient of 0.13 ft/ft was observed at nested monitor wells MW-6 and MW-6D. Upward vertical gradients are generally associated with groundwater discharge zones and downward gradients are generally associated with groundwater recharge zones.

5.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the first semi-annual 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-2, MW-4, MW-5, MW-6, MW-6D and MW-7A indicated the presence of target constituents above the NCGPS, which are summarized below. Groundwater sample MW-2 indicated the presence of 3.4 ug/l 1,4-dichlorobenzene, 2.2 ug/l vinyl chloride and 2.1 ug/l cadmium. Groundwater sample MW-4 indicated the presence of 1.8 ug/l benzene, 14 ug/l 1,4-dichlorobenzene and 15 ug/l lead. Groundwater sample MW-5 indicated the presence of 8.9 ug/l cadmium, 58 ug/l chromium and 24 ug/l lead. Groundwater sample MW-6 indicated 6.8 ug/l benzene, 19 ug/l 1,4-dichlorobenzene, 1.6 ug/l 1,2-dichloroethane and 7.3 ug/l vinyl chloride. Groundwater sample MW-6D indicated 4.7 ug/l benzene, 4.8 ug/l 1,4-dichlorobenzene, 0.8J ug/l 1,2-dichloroethane (J=estimated result (<Solid Waste Section Limit (SWSL) or Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)), 0.77J ug/l 1,2-dichloropropane, 0.94J ug/l tetrachloroethene, 4.4 ug/l trichloroethene and 2.6 ug/l vinyl chloride. Groundwater sample MW-7A indicated the presence of 6.7 ug/l benzene, 13 ug/l 1,4-dichlorobenzene and 0.68J ug/l 1,2-dichloroethane. 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 1.8J ug/l acetone, 4J ug/l 2-butanone and 0.31J ug/l chloroform. The equipment blank indicated the presence of 1.4J ug/l acetone. The VOC's detected in the quality control blanks appear to be the result of laboratory contamination.

6.0 CONCLUSIONS

On June 5, 2007, Buxton Environmental, Inc. conducted the first semi-annual 2007 groundwater monitoring activities at the Closed Cramerton Landfill located in Gaston County, North Carolina. A summary of the findings of this investigation is provided below.

- Shallow groundwater flow at the site is to the south, southwest, northwest and southeast.
- Groundwater samples collected at MW-2, MW-4, MW-5, MW-6, MW-6D and MW-7A indicated target constituents above the NCGPS.
- The Upstream and Downstream sample 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 Cramerton Landfill. The next sampling event is anticipated to be conducted in November 2007.

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

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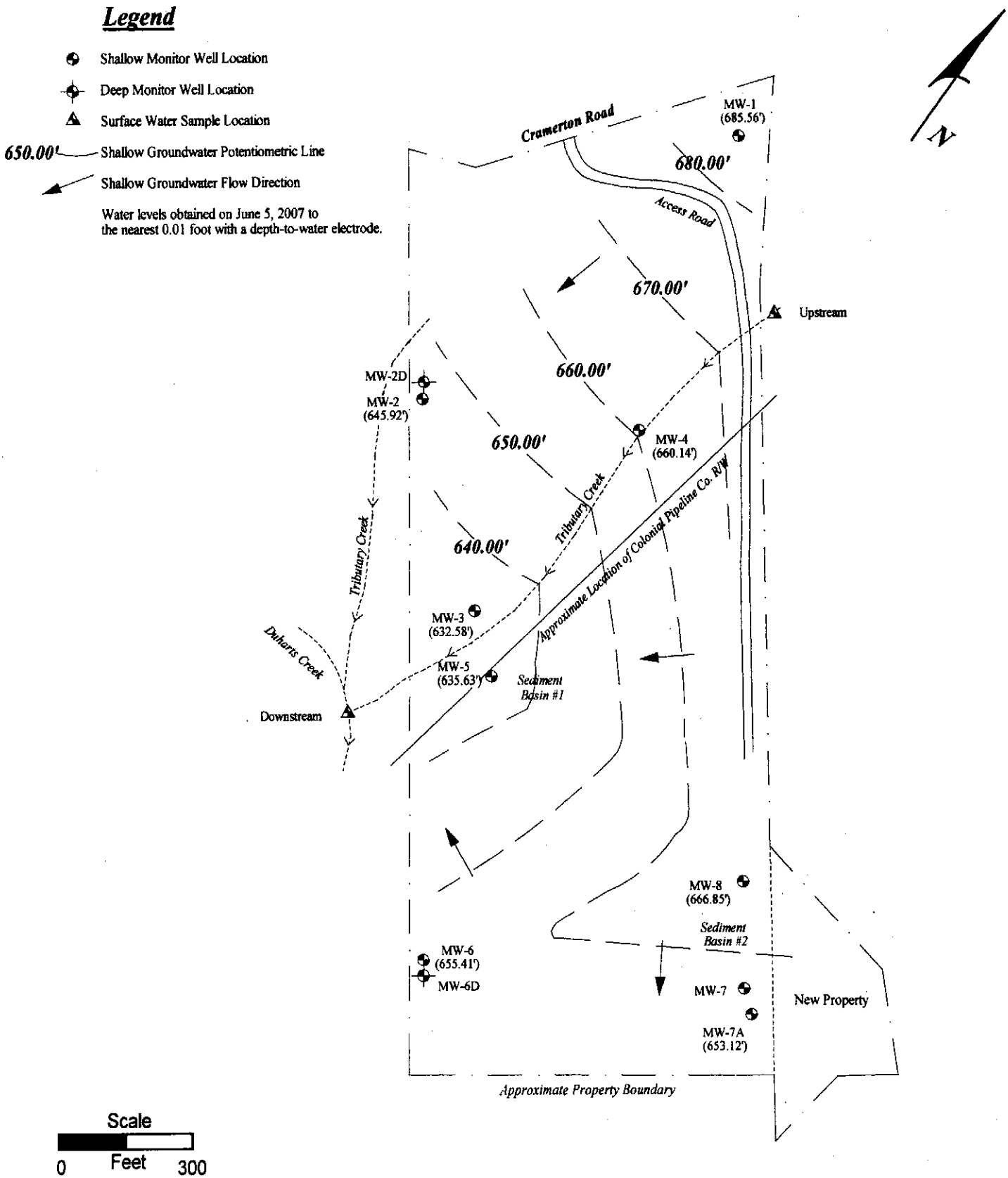
FIGURES

Scale

0 Feet 2,000

Source: United States Geological Survey, 1993 Mount Holly, 1997 Belmont, North and South Carolina Quadrangles

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



Gaston County Closed Cramerton Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 3. Shallow Groundwater Flow First Semi-Annual 2007

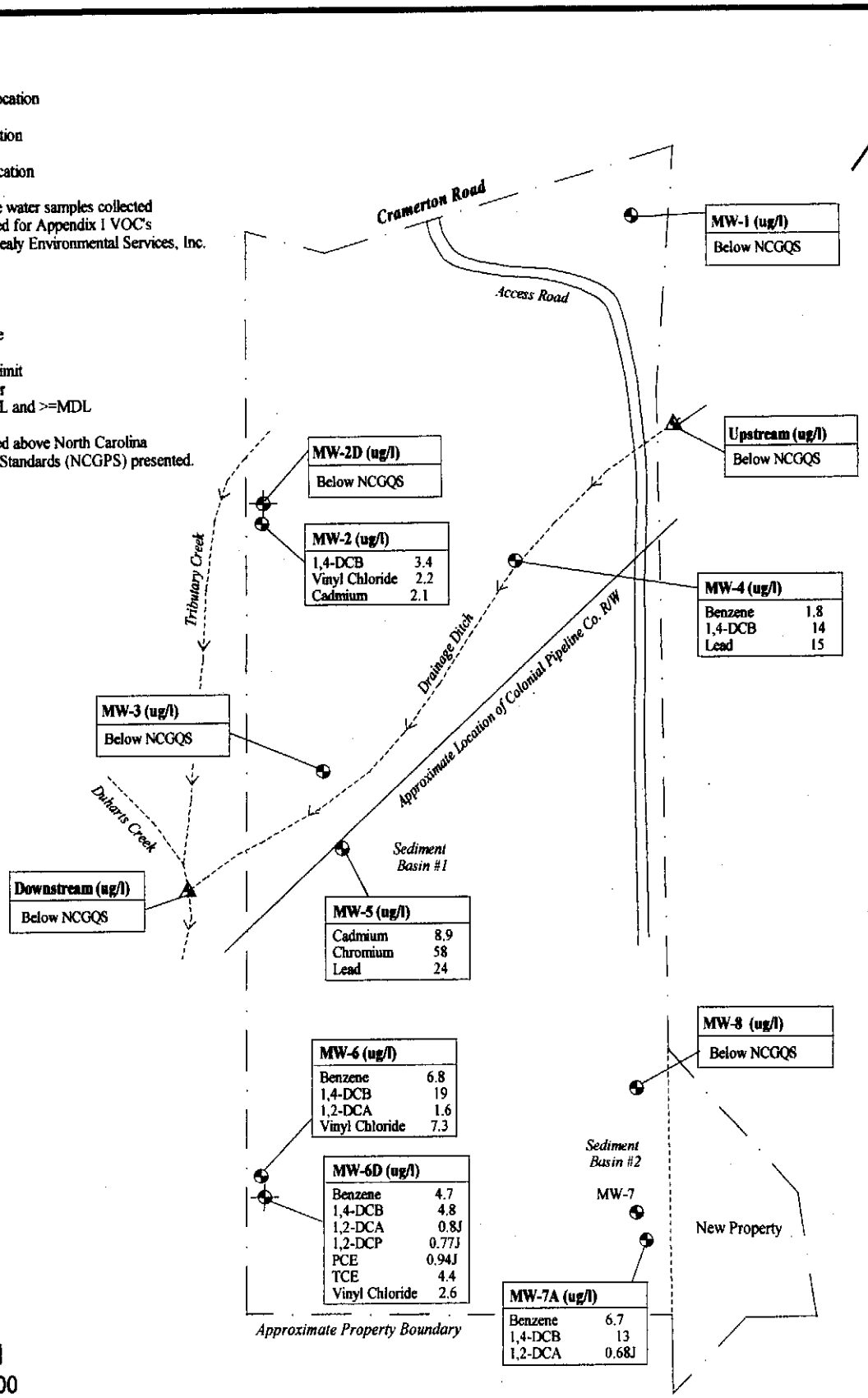
Legend

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

Groundwater and surface water samples collected June 5, 2007 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc.

DCA = Dichloroethane
DCB = Dichlorobenzene
DCP = Dichloropropane
PCE = Tetrachloroethane
TCE = Trichloroethene
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.



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

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 5, 2007

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	23.90	702.23	16.67	685.56
MW-2	17.50	652.34	6.42	645.92
MW-2D	53.00	656.54	9.95	646.59
MW-3	15.50	643.73	11.15	632.58
MW-4	10.00	667.20	7.06	660.14
MW-5	11.70	646.88	11.25	635.63
MW-6	29.00	682.36	26.95	655.41
MW-6D	56.00	685.74	33.51	652.23
MW-7A	38.00	680.03	26.91	653.12
MW-8	26.00	671.01	4.16	666.85

Notes:
Depth to water measurements collected on June 5, 2007 to the nearest 0.01 foot with a depth to water meter.
TD=total depth;BTOC=below top of casing;TOC=top of casing;DTW=depth to water;ft=feet

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TABLE 2
FIELD PARAMETER DATA
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 5, 2007

Sample ID	*Field Parameters*		
	pH (standard units)	*K (uS)*	*T (fahrenheit)*
[redacted]			
MW-1	7.8	70	66
MW-2	8.1	260	61
MW-2D	9.5	420	62
MW-3	7.6	290	60
MW-4	7.4	320	60
MW-5	8.1	150	70
MW-6	7.1	300	63
MW-6D	7.1	280	63
MW-7A	7.1	270	64
MW-8	7.5	140	60
Upstream	8.0	120	68
Downstream	7.8	220	68

Notes:
Field parameters collected on June 5, 2007.
SU = standard units
uS = mho's per second
K = conductivity; T = temperature

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 5, 2007

Sample ID	*MW-1*	*MW-2*	*MW-2D*	*MW-3*	*MW-4*	*MW-5*	*MW-6*	*MW-6D*	*MW-7A*	*MW-8*	*NCGPS*
Appendix I VOC's											
Acetone	1.9J	2.5J	6.1J	2.6J	5J	2.9J	4.4J	1.8J	5.1J	BDL	700
Benzene	BDL	0.87J	BDL	0.19J	**1.8**	BDL	**6.8**	**4.7**	**6.7**	BDL	1
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	BDL	0.32J	BDL	BDL	BDL	0.56
Carbon Disulfide	BDL	0.12J	0.73J	0.82J	0.2J	0.097J	0.67J	0.5J	0.36J	BDL	700
Chlorobenzene	BDL	4.9	BDL	3.4	12	BDL	1.2	0.62J	4.6	BDL	50
Chloroethane	BDL	BDL	BDL	BDL	0.96J	BDL	3.6	0.55J	0.57J	BDL	2,800
Chloromethane	BDL	BDL	0.36J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	1.7	BDL	0.56J	0.41J	0.36J	BDL	24
1,4-Dichlorobenzene	BDL	**3.4**	0.26J	0.47J	**14**	BDL	**19**	**4.8**	**13**	BDL	1.4
1,1-Dichloroethane	BDL	1.8	2.2	BDL	0.25J	BDL	5.8	16	0.24J	0.23J	70
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	**1.6**	**0.8J**	**0.68J**	BDL	0.38
1,1-Dichloroethene	BDL	2.8	1.2	BDL	BDL	BDL	BDL	0.42J	BDL	BDL	7
cis-1,2 Dichloroethene	BDL	2.6	1.6	BDL	0.29J	BDL	47	44	0.45J	BDL	70
1,2 Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	0.45J	**0.77J**	BDL	BDL	0.51
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	0.31J	BDL	BDL	BDL	550
2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	1.5J	BDL	BDL	BDL	280
Methylene Chloride	BDL	BDL	0.23J	BDL	BDL	BDL	0.21J	BDL	BDL	BDL	4.6
Tetrachloroethene	BDL	BDL	0.38J	BDL	BDL	BDL	BDL	**0.94J**	BDL	0.15J	0.7
Toluene	BDL	BDL	BDL	BDL	0.18J	BDL	0.57J	0.4J	0.65J	BDL	1,000
Trichloroethene	BDL	0.18J	0.24J	BDL	BDL	BDL	1	**4.4**	BDL	BDL	2.8
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	1.1	0.53J	2.1	BDL	530
Vinyl Chloride	BDL	**2.2**	BDL	BDL	BDL	BDL	**7.3**	**2.6**	BDL	BDL	0.015
RCRA Metals											
Arsenic	BDL	BDL	4.7J	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Barium	32	220	14J	140	94	1,800	1,300	140	420	220	2,000
Cadmium	0.71J	**2.1**	BDL	1.4J	BDL	**8.9**	BDL	BDL	BDL	0.81J	1.75
Chromium	BDL	3.7J	BDL	2.4J	37	**58**	3J	BDL	3.5J	16	50
Lead	BDL	2.2J	BDL	BDL	**15**	**24**	BDL	BDL	BDL	2.8J	15
Mercury	BDL	0.11	BDL	BDL	BDL	0.17	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.1J	BDL	BDL	50
Silver	BDL	2.2BJ	BDL	0.5BJ	2.6BJ	BDL	0.76BJ	1.4BJ	2.4BJ	BDL	17.5

Notes:
Groundwater samples were collected on June 5, 2007 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc. in Cayce, SC.
BDL = below detection limit; NS = no standard;
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
Bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

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TABLE 4
SURFACE WATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 5, 2007

Sample ID	***Upstream***	***Downstream***	***NCGPS***
Appendix I VOC's			
Acetone	3.7J	3.7J	700
RCRA Metals			
Barium	77	54	700
Silver	BDL	0.99BJ	17.5

Notes:
Surface water samples collected June 5, 2007 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc. in Cayce 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

rk:tables:cramsw.607

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 Landfill- Cramerton Site**

Lot Number: **IF07057**
Date Completed: **06/15/2007**

Kelly M. Maberry
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: IF07057

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
Buxton Environmental
Lot Number: IF07057

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	06/05/2007 1315	06/07/2007
002	MW-2	Aqueous	06/05/2007 1330	06/07/2007
003	MW-2D	Aqueous	06/05/2007 1400	06/07/2007
004	MW-3	Aqueous	06/05/2007 1420	06/07/2007
005	MW-4	Aqueous	06/05/2007 1445	06/07/2007
006	MW-5	Aqueous	06/05/2007 1515	06/07/2007
007	MW-6	Aqueous	06/05/2007 1630	06/07/2007
008	MW-6D	Aqueous	06/05/2007 1700	06/07/2007
009	MW-7A	Aqueous	06/05/2007 1600	06/07/2007
010	MW-8	Aqueous	06/05/2007 1530	06/07/2007
011	Upstream	Aqueous	06/05/2007 1245	06/07/2007
012	Downstream	Aqueous	06/05/2007 1500	06/07/2007
013	Trip Blank	Aqueous	04/17/2007 1430	06/07/2007

(13 samples)

Executive Summary
Buxton Environmental
Lot Number: IF07057

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Acetone	8260B	1.9	J	ug/L	7
001	MW-1	Aqueous	Barium	6010B	0.032		mg/L	8
001	MW-1	Aqueous	Cadmium	6010B	0.00071	J	mg/L	8
002	MW-2	Aqueous	Acetone	8260B	2.5	J	ug/L	9
002	MW-2	Aqueous	Benzene	8260B	0.87	J	ug/L	9
002	MW-2	Aqueous	Carbon disulfide	8260B	0.12	J	ug/L	9
002	MW-2	Aqueous	Chlorobenzene	8260B	4.9		ug/L	9
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	3.4		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethane	8260B	1.8		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethene	8260B	2.8		ug/L	9
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	2.6		ug/L	9
002	MW-2	Aqueous	Trichloroethene	8260B	0.18	J	ug/L	9
002	MW-2	Aqueous	Vinyl chloride	8260B	2.2		ug/L	10
002	MW-2	Aqueous	Barium	6010B	0.22		mg/L	10
002	MW-2	Aqueous	Cadmium	6010B	0.0021		mg/L	10
002	MW-2	Aqueous	Chromium	6010B	0.0037	J	mg/L	10
002	MW-2	Aqueous	Lead	6010B	0.0022	J	mg/L	10
002	MW-2	Aqueous	Mercury	7470A	0.00011		mg/L	10
002	MW-2	Aqueous	Silver	6010B	0.0022	BJ	mg/L	10
003	MW-2D	Aqueous	Acetone	8260B	6.1	J	ug/L	11
003	MW-2D	Aqueous	Carbon disulfide	8260B	0.73	J	ug/L	11
003	MW-2D	Aqueous	Chloromethane (Methyl chloride)	8260B	0.36	J	ug/L	11
003	MW-2D	Aqueous	1,4-Dichlorobenzene	8260B	0.26	J	ug/L	11
003	MW-2D	Aqueous	1,1-Dichloroethane	8260B	2.2		ug/L	11
003	MW-2D	Aqueous	1,1-Dichloroethene	8260B	1.2		ug/L	11
003	MW-2D	Aqueous	cis-1,2-Dichloroethene	8260B	1.6		ug/L	11
003	MW-2D	Aqueous	Methylene chloride	8260B	0.23	J	ug/L	11
003	MW-2D	Aqueous	Tetrachloroethene	8260B	0.38	J	ug/L	11
003	MW-2D	Aqueous	Trichloroethene	8260B	0.24	J	ug/L	11
003	MW-2D	Aqueous	Arsenic	6010B	0.0047	J	mg/L	12
003	MW-2D	Aqueous	Barium	6010B	0.014	J	mg/L	12
004	MW-3	Aqueous	Acetone	8260B	2.6	J	ug/L	13
004	MW-3	Aqueous	Benzene	8260B	0.19	J	ug/L	13
004	MW-3	Aqueous	Carbon disulfide	8260B	0.82	J	ug/L	13
004	MW-3	Aqueous	Chlorobenzene	8260B	3.4		ug/L	13
004	MW-3	Aqueous	1,4-Dichlorobenzene	8260B	0.47	J	ug/L	13
004	MW-3	Aqueous	Barium	6010B	0.14		mg/L	14
004	MW-3	Aqueous	Cadmium	6010B	0.0014	J	mg/L	14
004	MW-3	Aqueous	Chromium	6010B	0.0024	J	mg/L	14
004	MW-3	Aqueous	Silver	6010B	0.00050	BJ	mg/L	14
005	MW-4	Aqueous	Acetone	8260B	5.0	J	ug/L	15
005	MW-4	Aqueous	Benzene	8260B	1.8		ug/L	15
005	MW-4	Aqueous	Carbon disulfide	8260B	0.20	J	ug/L	15
005	MW-4	Aqueous	Chlorobenzene	8260B	12		ug/L	15
005	MW-4	Aqueous	Chloroethane	8260B	0.96	J	ug/L	15

Executive Summary (Continued)

Lot Number: IF07057

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	MW-4	Aqueous	1,2-Dichlorobenzene	8260B	1.7		ug/L	15
005	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	14		ug/L	15
005	MW-4	Aqueous	1,1-Dichloroethane	8260B	0.25	J	ug/L	15
005	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	0.29	J	ug/L	15
005	MW-4	Aqueous	Toluene	8260B	0.18	J	ug/L	15
005	MW-4	Aqueous	Barium	6010B	0.94		mg/L	16
005	MW-4	Aqueous	Chromium	6010B	0.037		mg/L	16
005	MW-4	Aqueous	Lead	6010B	0.015		mg/L	16
005	MW-4	Aqueous	Silver	6010B	0.0026	BJ	mg/L	16
006	MW-5	Aqueous	Acetone	8260B	2.9	J	ug/L	17
006	MW-5	Aqueous	Carbon disulfide	8260B	0.097	J	ug/L	17
006	MW-5	Aqueous	Barium	6010B	1.8		mg/L	18
006	MW-5	Aqueous	Cadmium	6010B	0.0089		mg/L	18
006	MW-5	Aqueous	Chromium	6010B	0.058		mg/L	18
006	MW-5	Aqueous	Lead	6010B	0.024		mg/L	18
006	MW-5	Aqueous	Mercury	7470A	0.00017		mg/L	18
007	MW-6	Aqueous	Acetone	8260B	4.4	J	ug/L	19
007	MW-6	Aqueous	Benzene	8260B	6.8		ug/L	19
007	MW-6	Aqueous	Bromodichloromethane	8260B	0.32	J	ug/L	19
007	MW-6	Aqueous	Carbon disulfide	8260B	0.67	J	ug/L	19
007	MW-6	Aqueous	Chlorobenzene	8260B	1.2		ug/L	19
007	MW-6	Aqueous	Chloroethane	8260B	3.6		ug/L	19
007	MW-6	Aqueous	1,2-Dichlorobenzene	8260B	0.56	J	ug/L	19
007	MW-6	Aqueous	1,4-Dichlorobenzene	8260B	19		ug/L	19
007	MW-6	Aqueous	1,1-Dichloroethane	8260B	5.8		ug/L	19
007	MW-6	Aqueous	1,2-Dichloroethane	8260B	1.6		ug/L	19
007	MW-6	Aqueous	cis-1,2-Dichloroethene	8260B	47		ug/L	19
007	MW-6	Aqueous	1,2-Dichloropropane	8260B	0.45	J	ug/L	19
007	MW-6	Aqueous	Ethylbenzene	8260B	0.31	J	ug/L	19
007	MW-6	Aqueous	2-Hexanone	8260B	1.5	J	ug/L	19
007	MW-6	Aqueous	Methylene chloride	8260B	0.21	J	ug/L	19
007	MW-6	Aqueous	Toluene	8260B	0.57	J	ug/L	19
007	MW-6	Aqueous	Trichloroethene	8260B	1.0		ug/L	19
007	MW-6	Aqueous	Vinyl chloride	8260B	7.3		ug/L	20
007	MW-6	Aqueous	Xylenes (total)	8260B	1.1		ug/L	20
007	MW-6	Aqueous	Barium	6010B	1.3		mg/L	20
007	MW-6	Aqueous	Chromium	6010B	0.0030	J	mg/L	20
007	MW-6	Aqueous	Silver	6010B	0.00076	BJ	mg/L	20
008	MW-6D	Aqueous	Acetone	8260B	1.8	J	ug/L	21
008	MW-6D	Aqueous	Benzene	8260B	4.7		ug/L	21
008	MW-6D	Aqueous	Carbon disulfide	8260B	0.50	J	ug/L	21
008	MW-6D	Aqueous	Chlorobenzene	8260B	0.62	J	ug/L	21
008	MW-6D	Aqueous	Chloroethane	8260B	0.55	J	ug/L	21
008	MW-6D	Aqueous	1,2-Dichlorobenzene	8260B	0.41	J	ug/L	21
008	MW-6D	Aqueous	1,4-Dichlorobenzene	8260B	4.8		ug/L	21
008	MW-6D	Aqueous	1,1-Dichloroethane	8260B	16		ug/L	21
008	MW-6D	Aqueous	1,2-Dichloroethane	8260B	0.80	J	ug/L	21
008	MW-6D	Aqueous	1,1-Dichloroethene	8260B	0.42	J	ug/L	21

Executive Summary (Continued)

Lot Number: IF07057

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
008	MW-6D	Aqueous	cis-1,2-Dichloroethene	8260B	44		ug/L	21
008	MW-6D	Aqueous	1,2-Dichloropropane	8260B	0.77	J	ug/L	21
008	MW-6D	Aqueous	Tetrachloroethene	8260B	0.94	J	ug/L	21
008	MW-6D	Aqueous	Toluene	8260B	0.40	J	ug/L	21
008	MW-6D	Aqueous	Trichloroethene	8260B	4.4		ug/L	21
008	MW-6D	Aqueous	Vinyl chloride	8260B	2.6		ug/L	22
008	MW-6D	Aqueous	Xylenes (total)	8260B	0.53	J	ug/L	22
008	MW-6D	Aqueous	Barium	6010B	0.14		mg/L	22
008	MW-6D	Aqueous	Selenium	6010B	0.0031	J	mg/L	22
008	MW-6D	Aqueous	Silver	6010B	0.0014	BJ	mg/L	22
009	MW-7A	Aqueous	Acetone	8260B	5.1	J	ug/L	23
009	MW-7A	Aqueous	Benzene	8260B	6.7		ug/L	23
009	MW-7A	Aqueous	Carbon disulfide	8260B	0.36	J	ug/L	23
009	MW-7A	Aqueous	Chlorobenzene	8260B	4.6		ug/L	23
009	MW-7A	Aqueous	Chloroethane	8260B	0.57	J	ug/L	23
009	MW-7A	Aqueous	1,2-Dichlorobenzene	8260B	0.36	J	ug/L	23
009	MW-7A	Aqueous	1,4-Dichlorobenzene	8260B	13		ug/L	23
009	MW-7A	Aqueous	1,1-Dichloroethane	8260B	0.24	J	ug/L	23
009	MW-7A	Aqueous	1,2-Dichloroethane	8260B	0.68	J	ug/L	23
009	MW-7A	Aqueous	cis-1,2-Dichloroethene	8260B	0.45	J	ug/L	23
009	MW-7A	Aqueous	Toluene	8260B	0.65	J	ug/L	23
009	MW-7A	Aqueous	Xylenes (total)	8260B	2.1		ug/L	24
009	MW-7A	Aqueous	Barium	6010B	0.42		mg/L	24
009	MW-7A	Aqueous	Chromium	6010B	0.0035	J	mg/L	24
009	MW-7A	Aqueous	Silver	6010B	0.0024	BJ	mg/L	24
010	MW-8	Aqueous	1,1-Dichloroethane	8260B	0.23	J	ug/L	25
010	MW-8	Aqueous	Tetrachloroethene	8260B	0.15	J	ug/L	25
010	MW-8	Aqueous	Barium	6010B	0.22		mg/L	26
010	MW-8	Aqueous	Cadmium	6010B	0.00081	J	mg/L	26
010	MW-8	Aqueous	Chromium	6010B	0.016		mg/L	26
010	MW-8	Aqueous	Lead	6010B	0.0028	J	mg/L	26
011	Upstream	Aqueous	Acetone	8260B	3.7	J	ug/L	27
011	Upstream	Aqueous	Barium	6010B	0.077		mg/L	28
012	Downstream	Aqueous	Acetone	8260B	3.7	J	ug/L	29
012	Downstream	Aqueous	Barium	6010B	0.054		mg/L	30
012	Downstream	Aqueous	Silver	6010B	0.00099	BJ	mg/L	30
013	Trip Blank	Aqueous	Acetone	8260B	1.8	J	ug/L	31
013	Trip Blank	Aqueous	2-Butanone (MEK)	8260B	4.0	J	ug/L	31
013	Trip Blank	Aqueous	Chloroform	8260B	0.31	J	ug/L	31

(132 detections)

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **06/05/2007 1315**
Date Received: **06/07/2007**

Laboratory ID: **IF07057-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 0918	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**1.9**	**J**	**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

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

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **06/05/2007 1315**
Date Received: **06/07/2007**

Laboratory ID: **IF07057-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 0918	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
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
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		94	52-138
Bromofluorobenzene		102	70-147
Toluene-d8		104	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2036	FLW	06/08/2007 1525	58935
1	3005A	6010B	1	06/15/2007 0259	MNM	06/08/2007 1123	58924

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**	**0.032**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.00071**	**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	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000060	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

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **06/05/2007 1330**
Date Received: **06/07/2007**

Laboratory ID: **IF07057-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 0941	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.5**	**J**	**20**	**1.2**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.87**	**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**	**0.12**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**4.9**		**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**	**3.4**		**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**1.8**		**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**2.8**		**1.0**	**0.16**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2.6**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	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**	**0.18**	**J**	**1.0**	**0.18**	**ug/L**	**1**

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

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **06/05/2007 1330**
Date Received: **06/07/2007**

Laboratory ID: **IF07057-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 0941	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
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
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**2.2**		**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		95	52-138
Bromofluorobenzene		101	70-147
Toluene-d8		102	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/08/2007 2041	FLW	06/08/2007 1525	58935
1	3005A	6010B	1	06/15/2007 0305	MNM	06/08/2007 1123	58924

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**	**0.0021**		**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.0037**	**J**	**0.0050**	**0.0021**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.0022**	**J**	**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	**7439-97-6**	**7470A**	**0.00011**		**0.00010**	**0.000060**	**mg/L**	**1**
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	**7440-22-4**	**6010B**	**0.0022**	**BJ**	**0.0050**	**0.00040**	**mg/L**	**1**

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Client: **Buxton Environmental**
Description: **MW-2D**
Date Sampled: **06/05/2007 1400**
Date Received: **06/07/2007**

Laboratory ID: **IF07057-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/08/2007 1003	CMS		58946

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**6.1**	**J**	**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**	**0.73**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.14	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**	**0.36**	**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	ND		1.0	0.30	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**0.26**	**J**	**1.0**	**0.20**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**2.2**		**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**	**1.2**		**1.0**	**0.16**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.6**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.17	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**	**0.23**	**J**	**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**	**0.38**	**J**	**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**	**0.24**	**J**	**1.0**	**0.18**	**ug/L**	**1**

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