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):

Altamont Environmental, Inc.

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

Name: Marta A. VanDussen, E.I. Phone: (828) 281-3350

E-mail: mvandussen@altamontenvironmental.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Clay County Closed Municipal Solid Waste Facility	1160 Hinton Center Road (S.R. 1148), Hayesville, North Carolina 28904	22-01	.1600	December 29, 2009

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Robert Hastings, P.G. Project Geologist (828) 281-3350

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

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1906 GEOLOGIST Robert W. Hastings

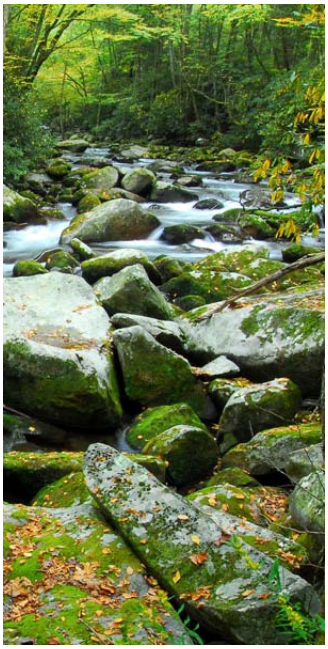
Signature Date

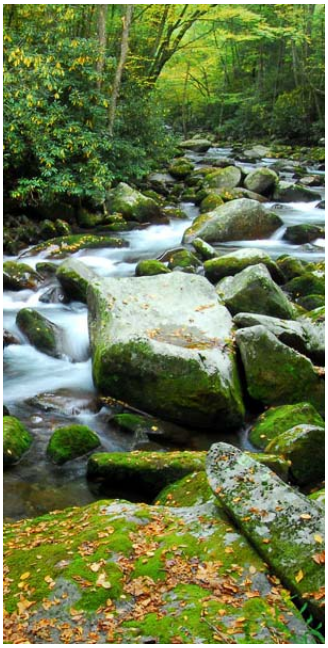
231 Haywood Street, Asheville, NC 28801

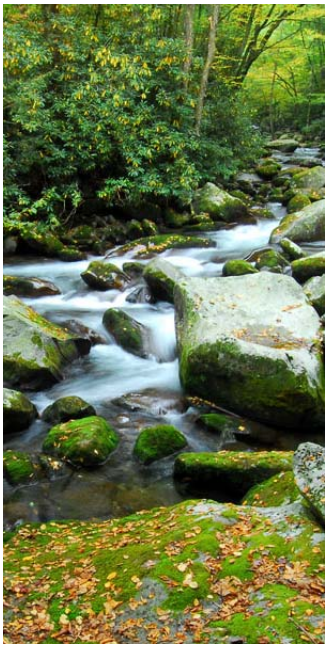
Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009







ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

December 2009
Water Quality Monitoring Report

Clay County Closed
Municipal Solid Waste Facility

Clay County, North Carolina
Permit #22-01

March 11, 2011

Prepared for
Clay County, North Carolina

Prepared by
Altamont Environmental, Inc.
231 Haywood Street
Asheville, NC 28801
(828) 281-3350

December 2009

Water Quality Monitoring Report

Clay County Closed Municipal Solid Waste Facility

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March 11, 2011

Robert Hastings, PG
Project Geologist

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1.0 Introduction

The Clay County Solid Waste Department maintains a closed municipal solid waste landfill (closed landfill) located at 1160 Hinton Center Road (State Road 1148) in Hayesville, Clay County, North Carolina (Figure 1). According to the Landfill Gas Monitoring Plan prepared by McGill Associates dated November 2010, the facility was officially closed per the letter to the North Carolina Department of Environment and Natural Resources (DENR) dated December 21, 1995. The permit for the landfill requires annual monitoring of groundwater and surface water quality. This report describes a groundwater and surface water quality sampling event conducted in December 2009. This report is being submitted in accordance with monitoring requirements for closed landfills as stipulated in the DENR Division of Waste Management (DWM) Permit No. 22-01 and amendments dated April 19, 1990 issued to the Clay County Solid Waste Department as well as in accordance with requirements stipulated in the DENR Solid Waste Management Rules Title 15A, Subchapter 13B, Section .1600, of the North Carolina Administrative Code (15A NCAC 13B.1600).

This report presents analytical results and provides an evaluation of groundwater and surface water quality for the closed landfill.

2.0 Methods

The groundwater monitoring network consists of an upgradient, background monitoring well (2201-Well#1) and five downgradient monitoring wells (2201-Well#2, 2201-Well#3, 2201-Well#4, 2201-Well#5, and 2201-Well#6). Well#1 is located in the northern portion of the landfill, north of an existing closed MSW disposal cell and Clay County's wood waste collection and processing area. Well#2 is located in the southeast corner of the facility property on the north side of S.R. 1148, south of an existing closed MSW landfill cell. Well#3 and Well#4 are strategically located along or near the southernmost property line of the landfill downgradient of an existing closed MSW landfill cell. Well#5 and Well#6 are located along the southwestern property line of the facility downgradient of an existing closed MSW landfill cell.

Closed landfill monitoring wells (2201-Well#2, 2201-Well#3, 2201-Well#4, 2201-Well#5 and 2201-Well#6) and surface water sample locations (2201-Upstream and 2201-Downstream) were sampled by Environmental, Inc. of Sylva, North Carolina personnel on December 29, 2009 (Table 1). Monitoring well 2201-Well#1 was not sampled due to casing damage. Approximate sample locations are depicted on Figure 2. Altamont engineers and geologists were not in responsible charge of the personnel that collected the subject data during the 2009 sampling event.

2.1 Groundwater Purging and Sampling Methods

2.1.1 Monitoring Well Sampling Methods

Prior to collecting groundwater samples from the monitoring wells, the static water level and total depth was measured and recorded. At each sample location a round of field parameters consisting of pH, specific conductivity, and temperature was measured and recorded. Water-level measurements and field parameters are included in Table 2; the Certificate of Analysis is presented in Appendix A. Groundwater monitoring wells were then purged with a new disposable polyethylene bailer.

2.1.2 Surface Water Sampling Methods

Surface water samples 2201-Upstream and 2201-Downstream were collected at designated locations along a minor unnamed tributary and the Hiawassee River, which flows adjacent to the western and southern site-boundary in a north-to-south direction (Figure 2). The surface water sample collected at the 2201-Upstream location is assumed to represent surface water quality upstream of the closed landfill, while the surface water sample collected at the 2201-Downstream location is assumed to represent surface water quality downstream of the closed landfill. One set of field parameters, including temperature, pH, and specific conductivity, was measured and recorded at each surface water sampling location prior to sample collection (Table 2).

2.2 Sample Handling, Documentation, and Analysis

Field parameters and additional observations pertaining to the closed landfill sampling locations are provided on the Certificate of Analysis provided by Environmental, Inc, and included in Appendix A. Water-level measurements and field parameters are also included in Table 2. Environmental, Inc. is a laboratory certified in North Carolina, located in Sylva, North Carolina. Environmental, Inc. performed analyses on metals, including arsenic, cadmium, chromium, lead, and silver, in-house on collected groundwater and surface water samples. In addition, Environmental, Inc. submitted the water samples collected from the monitoring wells and the surface water sampling locations to Pace Analytical Services, Inc. (Pace), another laboratory certified in North Carolina, for analysis as follows:

- Appendix I volatile organic compounds (VOCs) using US Environmental Protection Agency (EPA) Method 8260
- Metals, such as barium, selenium, and mercury using EPA Methods 6010 and 7470

An equipment blank and trip blank, provided by the laboratory, were placed in the sample coolers and analyzed for Appendix I VOCs. Proper chain-of-custody documentation was followed during collection and transport of each sample. The laboratory analytical reports and chain-of-custody documentation are included in Appendix B. Laboratory analyses performed on the samples are summarized in Table 1.

3.0 Findings

3.1 Analytical Results

The laboratory analytical results for the groundwater and surface water samples collected at the closed landfill are compiled in Table 2, which is displayed in the Electronic Data Deliverable (EDD) format specified by the DENR Solid Waste Section (SWS) memorandum dated October 27, 2006. The Certificate of Analysis report issued by Environmental, Inc. is included as Appendix A. The laboratory analytical report issued by Pace for this sampling event is included as Appendix B.

As stipulated in the October 27, 2006 memorandum, non-detections were reported at Method Detection Limit (MDL), and all concentrations exceeding the laboratory-specific MDL were reported and appropriately qualified (Tables 2, 3, and 4). The MDL is the minimum concentration of a substance that can be measured and reported by a laboratory with 99% confidence that the analyte concentration is greater than zero. All detections were compared to analyte-specific Solid Waste Section Limits (SWSLs) established by the SWS. The SWSL is the lowest concentration, determined by the SWS, of an analyte in a sample that can be quantitatively determined with suitable precision and accuracy. If the reported concentration is greater than the laboratory MDL and less than the SWSL, the analytical result is qualified as estimated, and is flagged with a "*J*" qualifier (italicized J-flag). A "J" qualifier is used for parameters that are detected at estimated concentrations greater than the MDL but less than the laboratory's Method Reporting Limit. The Method Reporting Limit (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. Detected concentrations of constituents below the applicable SWSLs are summarized in Table 2, but are not reported in the text of this report, unless they exceed their applicable North Carolina water quality standards.

Detected concentrations of analytes in groundwater samples were compared to the value specified by 15A NCAC 2L.0202 groundwater quality standards (2L Standards). Effective October 1, 2010, DENR promulgated an updated list of the interim maximum allowable concentrations (IMACs) for Class GA and GSA groundwater (in accordance with 15A NCAC 02L .0202 [c]). Detected concentrations of analytes in groundwater with no established 2L Standard were compared either to the IMACs or Groundwater Protection Standard (GWPS; pursuant to 15A NCAC 13B.1634). Detections of analytes in surface water samples were compared to the 15A NCAC 2B.0200 surface water quality standards (2B Standard).

Table 2 presents laboratory analytical results from samples collected from the monitoring wells, surface water sampling locations, and the equipment and trip blank(s), as well as field parameters measured during collection of groundwater and surface water samples.

Table 3 presents all analytical results that were above the applicable SWSLs. Table 4 presents only the concentrations of analytes detected in groundwater and/or surface water samples that exceeded their respective 2L Standards, GWPSs, or 2B Standards. In the referenced tables and figures, the identification of a well ("WELL ID" on the tables) consists of the name of the well prefaced by the un-hyphenated permit number for the facility. For example, monitoring well "Well#2" is identified on the tables as 2201-Well#2.

3.1.1 Groundwater Monitoring Wells

Analytical results for groundwater samples collected from monitoring wells are discussed below and are summarized in Tables 2, 3, and 4. The laboratory analytical reports are included in Appendix B.

3.1.1.1 Metals

The complete list of metals and analysis methods are summarized in Table 1.

The following metals were detected at concentrations above their associated SWSLs but below their applicable 2L Standards or GWPSs (Table 3 and Table 4):

- Barium (SWSL=100 micrograms per liter [µg/L]; 2L Standard=700 µg/L): 2201-Well#4 (193 µg/L) and 2201-Well#6 (149 µg/L)

The following metals were detected at concentrations above both their respective SWSLs and their respective 2L Standards or GWPSs (Table 3 and Table 4):

- Mercury (SWSL=0.2 µg/L; 2L Standard=1 µg/L): 2201-Well#4 (2.2 µg/L)

The turbidity was not measured for the groundwater samples collected from all of the monitoring wells.

3.1.1.2 VOCs (EPA Method 8260)

The following VOCs were detected at concentrations above their associated SWSLs but below their applicable 2L Standards or GWPSs (Table 3 and Table 4):

- Trichlorofluoromethane (SWSL=1 µg/L; 2L Standard=2,000 µg/L): 2201-Well#2 (1.3 µg/L)
- 1,4-Dichlorobenzene (SWSL=1 µg/L; 2L Standard=6 µg/L): 2201-Well#4 (1.4 µg/L)

No VOCs were detected in groundwater samples at concentrations above their associated 2L Standards or GWPSs.

3.1.2 Surface Water

Analytical results for surface water samples collected from the Hiawassee River are discussed below and are summarized in Table 2. The laboratory reports are included in Appendix B.

3.1.2.1 Metals

There were no metals detected in surface water samples at concentrations above the associated SWSLs. Similarly, no metals were present at concentrations above their applicable 2B Standards.

3.1.2.2 VOCs (EPA Method 8260)

There were no VOCs detected in surface water samples at concentrations above the associated SWSLs. Similarly, no VOCs were present at concentrations above their applicable 2B Standards.

3.2 Statistical Evaluation

A statistical analysis of the data was not conducted due to an inadequate number of sample analytical data-sets for the sampled wells. The monitoring well 2201-Well#1 that appears to be located upgradient at the landfill was not sampled during the December 2009 monitoring event due to a damaged casing.

4.0 Summary and Discussion

The following discussion summarizes the results of the December 2009 water quality monitoring event at the closed landfill. Environmental, Inc. will continue to collect groundwater and surface water samples on an annual basis at the Clay County Closed Municipal Solid Waste Landfill.

4.1 Groundwater Quality

Analysis of data collected during the semiannual groundwater quality monitoring event conducted on December 29, 2009 at the Clay County Closed Landfill indicates that two metals were detected in groundwater samples at concentrations above either their respective SWSLs or above their 2L Standards/GWPSs, or both. The concentration of one metal (mercury) exceeded its respective 2L Standard or GWPS in one or more of the groundwater samples, as follows.

- Mercury was detected in one well, 2201-Well#4 (2.2 µg/L), exceeding its 2L Standard of 1 µg/L.

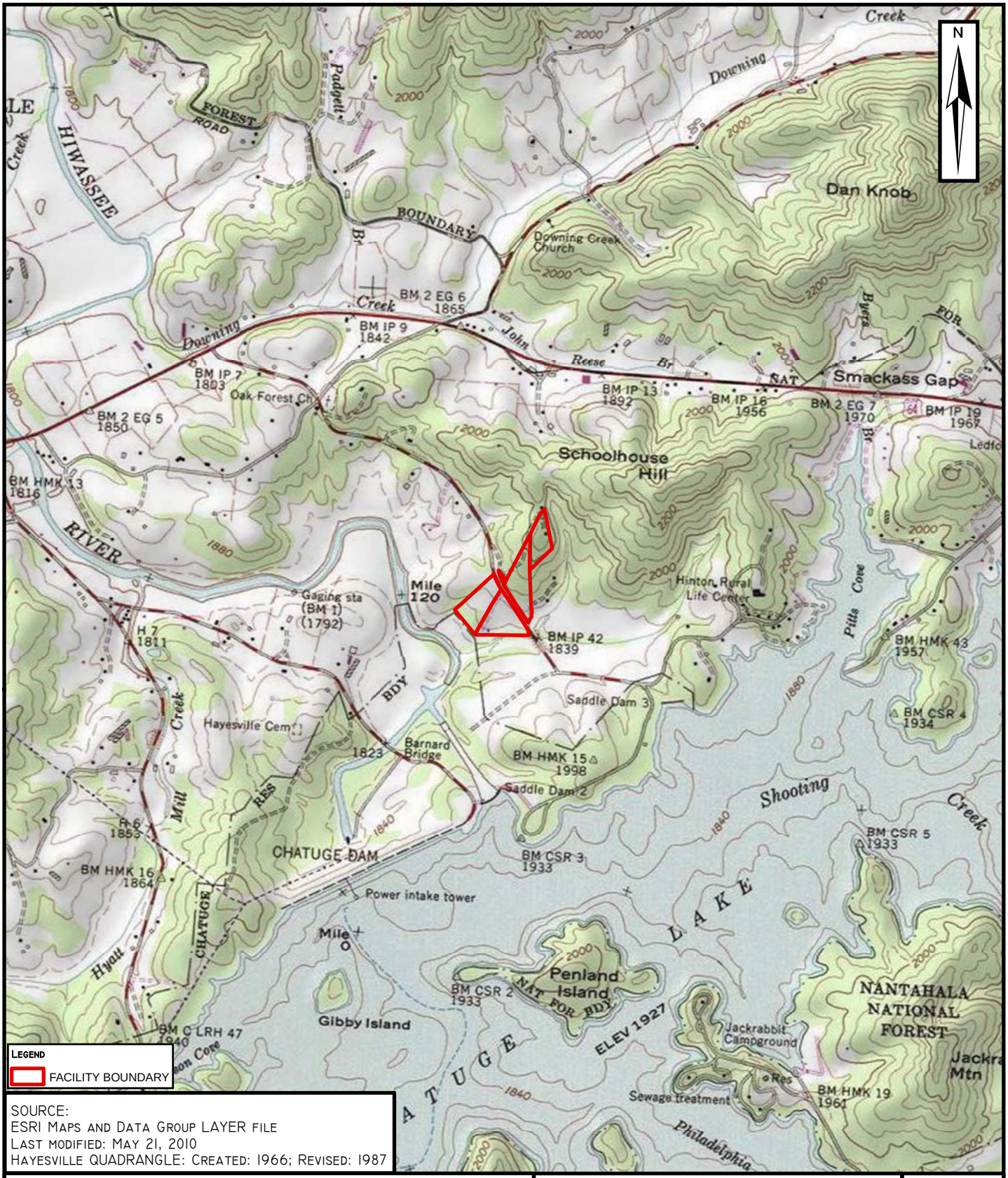
As described in Section 3.1, the turbidity of collected groundwater samples from monitoring wells was not measured during the 2009 sampling event.

No VOCs were detected in the groundwater at the closed landfill at concentrations above the associated 2L Standards or GWPSs.

4.2 Surface Water Quality

No metals or VOCs were detected at concentrations above their respective SWSLs in the surface water samples. Similarly, no metals or VOCs were detected at concentrations above their 2B Standards.

FIGURES



SOURCE:
ESRI MAPS AND DATA GROUP LAYER FILE
LAST MODIFIED: MAY 21, 2010
HAYESVILLE QUADRANGLE: CREATED: 1966; REVISED: 1987

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DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: CHRIS GILBERT
CLIENT: ENVIRONMENTAL, INC.
DATE: 02/24/2011

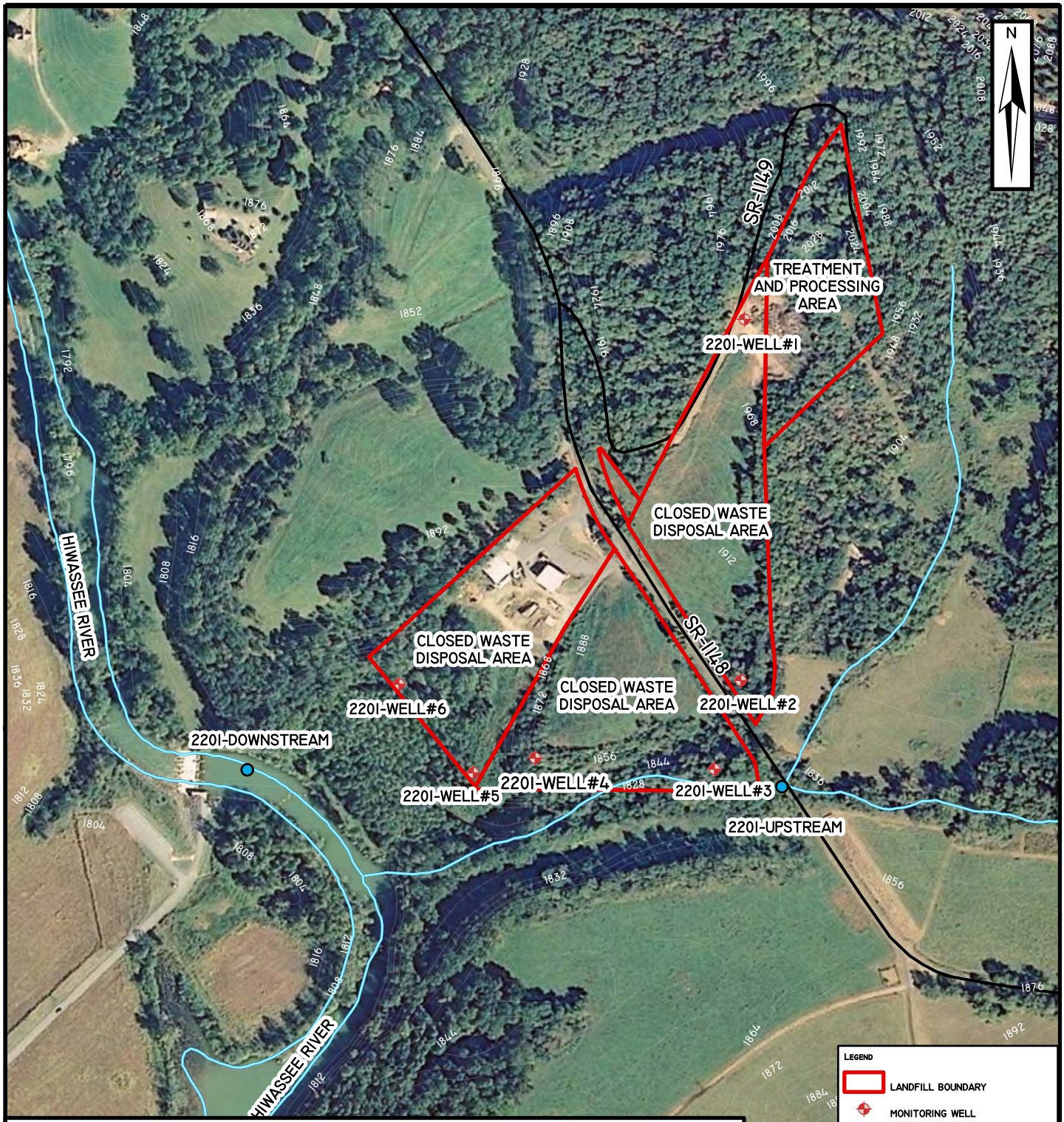
SCALE
0 500 1,000 2,000
FEET

SITE LOCATION MAP

CLAY COUNTY CLOSED MUNICIPAL
SOLID WASTE LANDFILL
1160 HINTON CENTER ROAD (S.R. 1148)
HAYESVILLE, NORTH CAROLINA 28904

FIGURE
1

P:\ENVIRONMENTAL INC\CLAY COUNTY\FIGURES\FIGURE 1 SITE LOCATION MAP.MXD



NOTES:
1. MONITORING WELL LOCATIONS ARE APPROXIMATE AND BASED ON THE FACILITY PLAN PREPARED BY MCGILL ASSOCIATES DATED NOVEMBER 2010
2. 2201-MW#1 IS DAMAGED AND WAS NOT SAMPLED.

SOURCE:
ESRI MAP AND DATA GROUP THE WORLD IMAGERY LAYER (LYR) FILE LAST MODIFIED: MAY 21, 2010

LEGEND
- LANDFILL BOUNDARY
- MONITORING WELL
- ROADS
- RIVERS AND STREAMS
- 4-FOOT INTERVAL CONTOUR LINES
- SURFACE WATER LOCATION

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SITE LAYOUT MAP

CLAY COUNTY CLOSED MUNICIPAL SOLID WASTE LANDFILL
1160 HINTON CENTER ROAD (S.R. 1148)
HAYESVILLE, NORTH CAROLINA 28904

FIGURE 2

DRAWN BY: MARTA A. VANDUSSEN
PROJECT MANAGER: CHRIS GILBERT
CLIENT: ENVIRONMENTAL, INC.
DATE: 02/24/2011

SCALE
0 100 200 400 FEET

P:\ENVIRONMENTAL INC\CLAY COUNTY\FIGURES\FIGURE 2 SITE LAYOUT MAP.MXD

TABLES

Table 1
Summary of Laboratory Analyses Performed on Samples
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina

Groundwater Samples					
Sample Name	Date Collected	Metals			VOCs
		Barium, Mercury, Selenium	Arsenic, Lead	Cadmium, Chromium, Silver	
		EPA 6010 EPA 7470	SM 3113 B	SM 3111 B	EPA 8260
2201-WELL#2	12/29/2009	X	X	X	X
2201-WELL#3	12/29/2009	X	X	X	X
2201-WELL#4	12/29/2009	X	X	X	X
2201-WELL#5	12/29/2009	X	X	X	X
2201-WELL#6	12/29/2009	X	X	X	X
2201-EQUPMENTBLANK	12/29/2009				X
2201-TRIPBLANK	12/29/2009				X

Surface Water Samples					
Sample Name	Date Collected	Metals			VOCs
		Barium, Mercury, Selenium	Arsenic, Lead	Cadmium, Chromium, Silver	
		EPA 6010 EPA 7470	SM 3113 B	SM 3111 B	EPA 8260
2201-UPSTREAM	12/29/2009	X	X	X	X
2201-DOWNSTREAM	12/29/2009	X	X	X	X

Notes:

VOCs = volatile organic compounds

Table 2
Analytical Data and Field Parameters
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-WELL#2	7440-38-2	14	Arsenic	5	ug/L	U	SM 3113 B	5		10		12/29/2009		02/22/2010	37754
22-01	2201-WELL#2	7440-39-3	15	Barium	32.5	ug/L	J	EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#2	7440-43-9	34	Cadmium	8	ug/L	U	SM 3113 B	8		1		12/29/2009		02/05/2010	37754
22-01	2201-WELL#2	7440-47-3	51	Chromium	50	ug/L	U	SM 3111 B	50		10		12/29/2009		04/08/2010	37754
22-01	2201-WELL#2	7439-92-1	131	Lead	3	ug/L	U	SM 3113 B	3		10		12/29/2009		02/15/2010	37754
22-01	2201-WELL#2	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-WELL#2	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#2	7440-22-4	184	Silver	50	ug/L	U	SM 3113 B	50		10		12/29/2009		02/08/2010	37754
22-01	2201-WELL#2	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-34-3	75	1,1-Dichloroethane	1.9	ug/L	J	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12

Table 2
Analytical Data and Field Parameters
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-WELL#2	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-71-8	74	Dichlorodifluoromethane	2.5	ug/L	J	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	1634-04-4	369	Methyl-tert-butyl ether	0.21	ug/L	U	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-69-4	203	Trichlorofluoromethane	1.3	ug/L		EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#2	7782-44-7	356	Dissolved Oxygen	NA	mg/L										
22-01	2201-WELL#2	SW336	336	Oxygen Reduction Potential	NA	mV										
22-01	2201-WELL#2	SW320	320	pH	5.85	SU		SM 4500 HB					12/29/2009			5090
22-01	2201-WELL#2	SW323	323	Specific Conductivity	33.9	µS		SM 2510 B	1.0				12/29/2009		01/13/2010	37754
22-01	2201-WELL#2	SW325	325	Temperature	16.6	°C		SM 2250 B					12/29/2009			5090
22-01	2201-WELL#2	SW330	330	Turbidity	NA	NTU										
22-01	2201-WELL#2	SW318	318	Depth to Water	22.5	ft TOC							12/29/2009			
22-01	2201-WELL#2	SW411	411	Total Well Depth	45.4	ft TOC							12/29/2010			
22-01	2201-WELL#3	7440-38-2	14	Arsenic	5	ug/L	U	SM 3113 B	5		10		12/29/2009		02/22/2010	37754
22-01	2201-WELL#3	7440-39-3	15	Barium	43.1	ug/L	J	EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#3	7440-43-9	34	Cadmium	8	ug/L	U	SM 3113 B	8		1		12/29/2009		02/05/2010	37754
22-01	2201-WELL#3	7440-47-3	51	Chromium	50	ug/L	U	SM 3111 B	50		10		12/29/2009		04/08/2010	37754
22-01	2201-WELL#3	7439-92-1	131	Lead	3	ug/L	U	SM 3113 B	3		10		12/29/2009		02/15/2010	37754
22-01	2201-WELL#3	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-WELL#3	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#3	7440-22-4	184	Silver	50	ug/L	U	SM 3113 B	50		10		12/29/2009		02/08/2010	37754
22-01	2201-WELL#3	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-WELL#3	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	75-71-8	74	Dichlorodifluoromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	1634-04-4	369	Methyl-tert-butyl ether	0.21	ug/L	U	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-WELL#3	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#3	7782-44-7	356	Dissolved Oxygen	NA	mg/L										
22-01	2201-WELL#3	SW336	336	Oxygen Reduction Potential	NA	mV										
22-01	2201-WELL#3	SW320	320	pH	6.2	SU		SM 4500 HB					12/29/2009			5090
22-01	2201-WELL#3	SW323	323	Specific Conductivity	42.8	µS		SM 2510 B	1.0				12/29/2009		01/13/2010	37754
22-01	2201-WELL#3	SW325	325	Temperature	15.0	°C		SM 2250 B					12/29/2009			5090
22-01	2201-WELL#3	SW330	330	Turbidity	NA	NTU										
22-01	2201-WELL#3	SW318	318	Depth to Water	5.0	ft TOC							12/29/2009			
22-01	2201-WELL#3	SW411	411	Total Well Depth	24.0	ft TOC										
22-01	2201-WELL#4	7440-38-2	14	Arsenic	5	ug/L	U	SM 3113 B	5		10		12/29/2009		02/22/2010	37754
22-01	2201-WELL#4	7440-39-3	15	Barium	193	ug/L		EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#4	7440-43-9	34	Cadmium	8	ug/L	U	SM 3113 B	8		1		12/29/2009		02/05/2010	37754
22-01	2201-WELL#4	7440-47-3	51	Chromium	50	ug/L	U	SM 3111 B	50		10		12/29/2009		04/08/2010	37754
22-01	2201-WELL#4	7439-92-1	131	Lead	3	ug/L	U	SM 3113 B	3		10		12/29/2009		02/15/2010	37754
22-01	2201-WELL#4	7439-97-6	132	Mercury	**2.2**	ug/L		EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-WELL#4	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#4	7440-22-4	184	Silver	50	ug/L	U	SM 3113 B	50		10		12/29/2009		02/08/2010	37754
22-01	2201-WELL#4	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-34-3	75	1,1-Dichloroethane	1.1	ug/L	*J*	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12

Table 2
Analytical Data and Field Parameters
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-WELL#4	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	106-46-7	71	1,4-Dichlorobenzene	1.4	ug/L		EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	156-59-2	78	cis-1,2-Dichloroethene	1.8	ug/L	J	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-71-8	74	Dichlorodifluoromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	1634-04-4	369	Methyl-tert-butyl ether	1.2	ug/L	J	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	7782-44-7	356	Dissolved Oxygen	NA	mg/L										

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Analytical Data and Field Parameters
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-WELL#4	SW336	336	Oxygen Reduction Potential	NA	mV										
22-01	2201-WELL#4	SW320	320	pH	6.1	SU		SM 4500 HB					12/29/2009			5090
22-01	2201-WELL#4	SW323	323	Specific Conductivity	230	µS		SM 2510 B	1.0				12/29/2009		01/13/2010	37754
22-01	2201-WELL#4	SW325	325	Temperature	15.8	°C		SM 2250 B					12/29/2009			5090
22-01	2201-WELL#4	SW330	330	Turbidity	NA	NTU										
22-01	2201-WELL#4	SW318	318	Depth to Water	9.5	ft TOC							12/29/2009			
22-01	2201-WELL#4	SW411	411	Total Well Depth	22.1	ft TOC							12/29/2009			
22-01	2201-WELL#5	7440-38-2	14	Arsenic	5	ug/L	U	SM 3113 B	5		10		12/29/2009		02/22/2010	37754
22-01	2201-WELL#5	7440-39-3	15	Barium	91.1	ug/L	J	EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#5	7440-43-9	34	Cadmium	8	ug/L	U	SM 3113 B	8		1		12/29/2009		02/05/2010	37754
22-01	2201-WELL#5	7440-47-3	51	Chromium	50	ug/L	U	SM 3111 B	50		10		12/29/2009		04/08/2010	37754
22-01	2201-WELL#5	7439-92-1	131	Lead	3	ug/L	U	SM 3113 B	3		10		12/29/2009		02/15/2010	37754
22-01	2201-WELL#5	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-WELL#5	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#5	7440-22-4	184	Silver	50	ug/L	U	SM 3113 B	50		10		12/29/2009		02/08/2010	37754
22-01	2201-WELL#5	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12

Table 2
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Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-WELL#5	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	156-59-2	78	cis-1,2-Dichloroethene	1.4	ug/L	J	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	75-71-8	74	Dichlorodifluoromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	1634-04-4	369	Methyl-tert-butyl ether	0.21	ug/L	U	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#5	7782-44-7	356	Dissolved Oxygen	NA	mg/L										
22-01	2201-WELL#5	SW336	336	Oxygen Reduction Potential	NA	mV										
22-01	2201-WELL#5	SW320	320	pH	5.6	SU		SM 4500 HB					12/29/2009			5090
22-01	2201-WELL#5	SW323	323	Specific Conductivity	134	µS		SM 2510 B	1.0				12/29/2009		01/13/2010	37754
22-01	2201-WELL#5	SW325	325	Temperature	16.0	°C		SM 2250 B					12/29/2009			5090
22-01	2201-WELL#5	SW330	330	Turbidity	NA	NTU										
22-01	2201-WELL#5	SW318	318	Depth to Water	33.1	ft TOC							12/29/2009			
22-01	2201-WELL#5	SW411	411	Total Well Depth	68.9	ft TOC							12/29/2009			
22-01	2201-WELL#6	7440-38-2	14	Arsenic	5	ug/L	U	SM 3113 B	5		10		12/29/2009		02/22/2010	37754
22-01	2201-WELL#6	7440-39-3	15	Barium	149	ug/L		EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#6	7440-43-9	34	Cadmium	8	ug/L	U	SM 3113 B	8		1		12/29/2009		02/05/2010	37754
22-01	2201-WELL#6	7440-47-3	51	Chromium	50	ug/L	U	SM 3111 B	50		10		12/29/2009		04/08/2010	37754

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22-01	2201-WELL#6	7439-92-1	131	Lead	3	ug/L	U	SM 3113 B	3		10		12/29/2009		02/15/2010	37754
22-01	2201-WELL#6	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-WELL#6	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#6	7440-22-4	184	Silver	50	ug/L	U	SM 3113 B	50		10		12/29/2009		02/08/2010	37754
22-01	2201-WELL#6	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-34-3	75	1,1-Dichloroethane	1.0	ug/L	J	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12

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22-01	2201-WELL#6	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-71-8	74	Dichlorodifluoromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	1634-04-4	369	Methyl-tert-butyl ether	0.21	ug/L	U	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	7782-44-7	356	Dissolved Oxygen	NA	mg/L										
22-01	2201-WELL#6	SW336	336	Oxygen Reduction Potential	NA	mV										
22-01	2201-WELL#6	SW320	320	pH	6.8	SU		SM 4500 HB					12/29/2009			5090
22-01	2201-WELL#6	SW323	323	Specific Conductivity	265	µS		SM 2510 B	1.0				12/29/2009		01/13/2010	37754
22-01	2201-WELL#6	SW325	325	Temperature	16.2	°C		SM 2250 B					12/29/2009			5090
22-01	2201-WELL#6	SW330	330	Turbidity	NA	NTU										
22-01	2201-WELL#6	SW318	318	Depth to Water	17.6	ft TOC							12/29/2009			
22-01	2201-WELL#6	SW411	411	Total Well Depth	64.0	ft TOC							12/29/2009			
22-01	2201-UPSTREAM	7440-38-2	14	Arsenic	5	ug/L	U	SM 3113 B	5		10		12/29/2009		02/22/2010	37754
22-01	2201-UPSTREAM	7440-39-3	15	Barium	33.2	ug/L	J	EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-UPSTREAM	7440-43-9	34	Cadmium	8	ug/L	U	SM 3113 B	8		1		12/29/2009		02/05/2010	37754
22-01	2201-UPSTREAM	7440-47-3	51	Chromium	50	ug/L	U	SM 3111 B	50		10		12/29/2009		04/08/2010	37754
22-01	2201-UPSTREAM	7439-92-1	131	Lead	3	ug/L	U	SM 3113 B	3		10		12/29/2009		02/15/2010	37754
22-01	2201-UPSTREAM	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-UPSTREAM	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-UPSTREAM	7440-22-4	184	Silver	50	ug/L	U	SM 3113 B	50		10		12/29/2009		02/08/2010	37754
22-01	2201-UPSTREAM	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12

Table 2
Analytical Data and Field Parameters
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-UPSTREAM	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-71-8	74	Dichlorodifluoromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	1634-04-4	369	Methyl-tert-butyl ether	0.21	ug/L	U	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12

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Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-UPSTREAM	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-UPSTREAM	7782-44-7	356	Dissolved Oxygen	NA	mg/L										
22-01	2201-UPSTREAM	SW336	336	Oxygen Reduction Potential	NA	mV										
22-01	2201-UPSTREAM	SW320	320	pH	6.8	SU		SM 4500 HB					12/29/2009			5090
22-01	2201-UPSTREAM	SW323	323	Specific Conductivity	30.6	µS		SM 2510 B	1.0				12/29/2009		01/13/2010	37754
22-01	2201-UPSTREAM	SW325	325	Temperature	12.7	°C		SM 2250 B					12/29/2009			5090
22-01	2201-UPSTREAM	SW330	330	Turbidity	NA	NTU										
22-01	2201-DOWNSTREAM	7440-38-2	14	Arsenic	5	ug/L	U	SM 3113 B	5		10		12/29/2009		02/22/2010	37754
22-01	2201-DOWNSTREAM	7440-39-3	15	Barium	8.6	ug/L	J	EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-DOWNSTREAM	7440-43-9	34	Cadmium	8	ug/L	U	SM 3113 B	8		1		12/29/2009		02/05/2010	37754
22-01	2201-DOWNSTREAM	7440-47-3	51	Chromium	50	ug/L	U	SM 3111 B	50		10		12/29/2009		04/08/2010	37754
22-01	2201-DOWNSTREAM	7439-92-1	131	Lead	3	ug/L	U	SM 3113 B	3		10		12/29/2009		02/15/2010	37754
22-01	2201-DOWNSTREAM	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-DOWNSTREAM	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-DOWNSTREAM	7440-22-4	184	Silver	50	ug/L	U	SM 3113 B	50		10		12/29/2009		02/08/2010	37754
22-01	2201-DOWNSTREAM	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12

Table 2
Analytical Data and Field Parameters
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-DOWNSTREAM	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-71-8	74	Dichlorodifluoromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	1634-04-4	369	Methyl-tert-butyl ether	0.21	ug/L	U	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-DOWNSTREAM	7782-44-7	356	Dissolved Oxygen	NA	mg/L										
22-01	2201-DOWNSTREAM	SW336	336	Oxygen Reduction Potential	NA	mV										
22-01	2201-DOWNSTREAM	SW320	320	pH	7.9	SU		SM 4500 HB					12/29/2009			5090
22-01	2201-DOWNSTREAM	SW323	323	Specific Conductivity	18.2	µS		SM 2510 B	1.0				12/29/2009		01/13/2010	37754
22-01	2201-DOWNSTREAM	SW325	325	Temperature	11.8	°C		SM 2250 B					12/29/2009			5090
22-01	2201-DOWNSTREAM	SW330	330	Turbidity	NA	NTU										

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22-01	2201-EQUPMENTBLANK	7440-39-3	15	Barium	0.2	ug/L	U	EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-EQUPMENTBLANK	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-EQUPMENTBLANK	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-EQUPMENTBLANK	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12

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22-01	2201-EQUPMENTBLANK	75-71-8	74	Dichlorodifluoromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	1634-04-4	369	Methyl-tert-butyl ether	0.21	ug/L	U	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-EQUPMENTBLANK	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	563-58-6	85	1,1-Dichloropropene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	87-61-6	371	1,2,3-Trichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	120-82-1	199	1,2,4-Trichlorobenzene	0.35	ug/L	U	EPA 8260	0.35	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	3.0	13	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	541-73-1	70	1,3-Dichlorobenzene	0.24	ug/L	U	EPA 8260	0.24	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	142-28-9	83	1,3-Dichloropropane	0.28	ug/L	U	EPA 8260	0.28	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	594-20-7	84	2,2-Dichloropropane	0.13	ug/L	U	EPA 8260	0.13	1.0	15	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	95-49-8	364	2-Chlorotoluene	0.35	ug/L	U	EPA 8260	0.35	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	106-43-4	365	4-Chlorotoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	12/29/2009	01/07/2010	01/07/2010	12

Table 2
Analytical Data and Field Parameters
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina
December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-TRIPBLANK	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	108-86-1	360	Bromobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	5.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-71-8	74	Dichlorodifluoromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	87-68-3	120	Hexachloro-1,3-butadiene	0.71	ug/L	U	EPA 8260	0.71	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	2.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	1634-04-4	369	Methyl-tert-butyl ether	0.21	ug/L	U	EPA 8260	0.21	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	91-20-3	148	Naphthalene	0.24	ug/L	U	EPA 8260	0.24	1.0	10	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	99-87-6	368	p-Isopropyltoluene	0.31	ug/L	U	EPA 8260	0.31	1.0	NE	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-TRIPBLANK	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12

Notes:
1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
3. "Method Detection Limit" (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
4. "Method Reporting Limit" (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the laboratory analytical report.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Method Reporting Limit (MRL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data

Table 2

Analytical Data and Field Parameters

Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina

December 2009

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER

qualifier that reflects a detected concentration that is greater than the laboratory's MRL and MDL but less than the SWSL.

7. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. Bold numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
12. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on January 1, 2010).
14. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on November 30, 2010).
15. Depth to water was measured from top of casing (TOC).
16. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

Table 3
Solid Waste Section Limits Exceedance Notification
Clay County Municipal Solid Waste Landfill, Clay County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
22-01	2201-WELL#2	75-69-4	203	Trichlorofluoromethane	1.3	ug/L		EPA 8260	0.2	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#4	7440-39-3	15	Barium	193	ug/L		EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/05/2010	40
22-01	2201-WELL#4	7439-97-6	132	Mercury	**2.2**	ug/L		EPA 7470	0.07	0.20	0.2	1	12/29/2009	01/04/2010	01/06/2010	40
22-01	2201-WELL#4	106-46-7	71	1,4-Dichlorobenzene	1.4	ug/L		EPA 8260	0.33	1.0	1	1	12/29/2009	01/07/2010	01/07/2010	12
22-01	2201-WELL#6	7440-39-3	15	Barium	149	ug/L		EPA 6010	0.2	5.0	100	1	12/29/2009	01/04/2010	01/05/2010	40

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
3. "Method Detection Limit" (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
4. "Method Reporting Limit" (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the laboratory analytical report.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Method Reporting Limit (MRL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data qualifier that reflects a detected concentration that is greater than the laboratory's MRL and MDL but less than the SWSL.
7. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. Bold numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
12. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on January 1, 2010).
14. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on November 30, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

Table 4
Water Quality Standards Exceedance Notification
Clay County Municipal Solid Waste Landfill, Hayesville, Clay County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	2L STANDARD (µg/L)	GWPS (µg/L)	COLLECT DATE	ANALYSIS DATE	CAUSE AND SIGNIFICANCE
22-01	2201-WELL#4	7439-97-6	132	Mercury	**2.2**	ug/L		EPA 7470	0.07	0.20	0.2	1	1	NE	12/29/2009	01/06/2010	Possibly naturally occurring. Turbidity of sample not measured.

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
3. "Method Detection Limit" (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
4. "Method Reporting Limit" (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the laboratory analytical report.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Method Reporting Limit (MRL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data qualifier that reflects a detected concentration that is greater than the laboratory's MRL and MDL but less than the SWSL.
7. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. Bold numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
12. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on January 1, 2010).
14. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on November 30, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

APPENDICES

APPENDIX A
Certificate of Analysis

ENVIRONMENTAL Inc.
Water & Wastewater Services
Cullowhee, NC

Mailing Address: PO Box 954, Cullowhee, NC 28723
Physical Address: 50 West Sylva Shopping Area, Sylva, NC 28779 (828) 586-5588
Physical Address: 240-D Swannanoa River Road, Asheville, NC 28805 (828) 350-8704
Toll Free: (800) 213-4035, Fax: (828) 586-0800, Email: environmentalinc@aol.com

Field Certification #5090
Wastewater Laboratory Certification #57
Water Laboratory Certification # 37754 ~~and #37797~~

Clay County Water and Sewer
PO Box 838
Hayesville, NC 28904

April 15, 2010

Re: Clay County Landfills

Field Sheet Collection Date: 12/29/09

Wells	2	3	4	5	6	Up	Down
Time	1400	1430	1545	1500	1530	1330	1545
Water Level	22.5'	5.0'	9.5'	33.1'	17.6'		
Bottom of the Well	45.4'	24.0'	22.1'	68.9'	64.0'		
Temp	16.6	15.0	15.8	16.0	16.2	12.7	11.8
pH	5.85	6.2	6.1	5.6	6.8	6.8	7.9
Pipe	2"	2"	2"	2"	2"		

*No data on well #1

ENVIRONMENTAL Inc. Water & Wastewater Services Cullowhee, NC

P.O. Box 954 Cullowhee, NC 28723
50 West Sylva Shopping Center Sylva, NC 28779
Phone (828) 586-5588 (800) 213-4035
FAX (828) 586-0800
E-mail environmentalinc@aol.com

Certificate of Analysis

Client Name: Clay County Landfill
Address: c/o 50 West Sylva Shopping Center
Sylva, NC 28779

Collection Date: 12/29/2009
Date Received: 12/29/2009

RESULTS

Sample Identification: Upstream (grab)

Parameters	Result	MDL	Units	Date Analyzed	Method	Foot-notes
Temperature	12.7	-----	° C	12/29/2009	SM 2250 B	1
pH	6.8	-----	Std Units	12/29/2009	SM 4500 HB	1
Specific Conductance	30.6	1.0	µmhos	1/13/2010	SM 2510B	
Arsenic	<0.005	0.005	mg/L	2/22/2010	SM 3113 B	
Cadmium	<0.008	0.008	mg/L	2/5/2010	SM 3111 B	
Chromium	<0.05	0.05	mg/L	4/8/2010	SM 3111 B	
Lead	<0.003	0.003	mg/L	2/15/2010	SM 3113 B	
Silver	<0.05	0.05	mg/L	2/8/2010	SM 3111 B	

Anthony Tirona
Anthony Tirona, Laboratory Supervisor

4/9/10
Date

Report prepared: 4/9/2010 7:45 PM

Client Name: Clay County Landfill

Collection Date: 12/29/2009
Date Received: 12/29/2009

Sample Identification: Downstream (grab)

Parameters	**Result**	**MDL**	**Units**	**Date Analyzed**	**Method**	**Foot-notes**
Temperature	11.8	-----	° C	12/29/2009	SM 2250 B	1
pH	7.9	-----	Std Units	12/29/2009	SM 4500 HB	1
Specific Conductance	18.2	1.0	µmhos	1/13/2010	SM 2510B	
Arsenic	<0.005	0.005	mg/L	2/22/2010	SM 3113 B	
Cadmium	<0.008	0.008	mg/L	2/5/2010	SM 3111 B	
Chromium	<0.05	0.05	mg/L	4/8/2010	SM 3111 B	
Lead	<0.003	0.003	mg/L	2/15/2010	SM 3113 B	
Silver	<0.05	0.05	mg/L	2/8/2010	SM 3111 B	

Client Name: Clay County Landfill

Collection Date: 12/29/2009
Date Received: 12/29/2009

Sample Identification: MW#2(grab)

Parameters	Result	MDL	Units	Date Analyzed	Method	Foot-notes
Temperature	16.6	-----	° C	12/29/2009	SM 2250 B	1
pH	5.9	-----	Std Units	12/29/2009	SM 4500 HB	1
Specific Conductance	33.9	1.0	µmhos	1/13/2010	SM 2510B	
Arsenic	<0.005	0.005	mg/L	2/22/2010	SM 3113 B	
Cadmium	<0.008	0.008	mg/L	2/5/2010	SM 3111 B	
Chromium	<0.05	0.05	mg/L	4/8/2010	SM 3111 B	
Lead	<0.003	0.003	mg/L	2/15/2010	SM 3113 B	
Silver	<0.05	0.05	mg/L	2/8/2010	SM 3111 B	

Client Name: Clay County Landfill

Collection Date: 12/29/2009
Date Received: 12/29/2009

Sample Identification: MW#3 (grab)

Parameters	Result	MDL	Units	Date Analyzed	Method	Foot-notes
Temperature	15.0	-----	° C	12/29/2009	SM 2250 B	1
pH	6.2	-----	Std Units	12/29/2009	SM 4500 HB	1
Specific Conductance	42.8	1.0	µmhos	1/13/2010	SM 2510B	
Arsenic	<0.005	0.005	mg/L	2/22/2010	SM 3113 B	
Cadmium	<0.008	0.008	mg/L	2/5/2010	SM 3111 B	
Chromium	<0.05	0.05	mg/L	4/8/2010	SM 3111 B	
Lead	<0.003	0.003	mg/L	2/15/2010	SM 3113 B	
Silver	<0.05	0.05	mg/L	2/8/2010	SM 3111 B	

Client Name: Clay County Landfill

Collection Date: 12/29/2009
Date Received: 12/29/2009

Sample Identification: MW#4 (grab)

Parameters	Result	MDL	Units	Date Analyzed	Method	Foot-notes
Temperature	15.8	-----	° C	12/29/2009	SM 2250 B	1
pH	6.1	-----	Std Units	12/29/2009	SM 4500 HB	1
Specific Conductance	230	1.0	µmhos	1/13/2010	SM 2510B	
Arsenic	<0.005	0.005	mg/L	2/22/2010	SM 3113 B	
Cadmium	<0.008	0.008	mg/L	2/5/2010	SM 3111 B	
Chromium	<0.05	0.05	mg/L	4/8/2010	SM 3111 B	
Lead	<0.003	0.003	mg/L	2/15/2010	SM 3113 B	
Silver	<0.05	0.05	mg/L	2/8/2010	SM 3111 B	

Client Name: Clay County Landfill

Collection Date: 12/29/2009
Date Received: 12/29/2009

Sample Identification: MW#5 (grab)

Parameters	Result	MDL	Units	Date Analyzed	Method	Foot-notes
Temperature	16.0	-----	° C	12/29/2009	SM 2250 B	1
pH	5.6	-----	Std Units	12/29/2009	SM 4500 HB	1
Specific Conductance	134	1.0	µmhos	1/13/2010	SM 2510B	
Arsenic	<0.005	0.005	mg/L	2/22/2010	SM 3113 B	
Cadmium	<0.008	0.008	mg/L	2/5/2010	SM 3111 B	
Chromium	<0.05	0.05	mg/L	4/8/2010	SM 3111 B	
Lead	<0.003	0.003	mg/L	2/15/2010	SM 3113 B	
Silver	<0.05	0.05	mg/L	2/8/2010	SM 3111 B	

Client Name: Clay County Landfill

Collection Date: 12/29/2009
Date Received: 12/29/2009

Sample Identification: MW#6 (grab)

Parameters	Result	MDL	Units	Date Analyzed	Method	Foot-notes
Temperature	16.2	-----	° C	12/29/2009	SM 2250 B	1
pH	6.8	-----	Std Units	12/29/2009	SM 4500 HB	1
Specific Conductance	265	1.0	µmhos	1/13/2010	SM 2510B	
Arsenic	<0.005	0.005	mg/L	2/22/2010	SM 3113 B	
Cadmium	<0.008	0.008	mg/L	2/5/2010	SM 3111 B	
Chromium	<0.05	0.05	mg/L	4/8/2010	SM 3111 B	
Lead	<0.003	0.003	mg/L	2/15/2010	SM 3113 B	
Silver	<0.05	0.05	mg/L	2/8/2010	SM 3111 B	

1. pH and temperature were analyzed in the field on 12/29/09.

APPENDIX B
Laboratory Analytical Reports and Chain-of-Custody Documentation

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

January 26, 2011

Mr. Mark Teague
Environmental, Inc.
PO Box 954
Cullowhee, NC 28723

RE: Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Dear Mr. Teague:
Enclosed are the analytical results for sample(s) received by the laboratory on December 30, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton for
Tom Williams
tom.williams@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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(704)875-9092

ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 2 **Lab ID: 9260438001** Collected: 12/29/09 14:00 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**32.5**	ug/L	5.0	1	01/04/10 11:51	01/05/10 23:30	7440-39-3	
Selenium	ND	ug/L	10.0	1	01/04/10 11:51	01/05/10 23:30	7782-49-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	01/04/10 14:38	01/06/10 12:53	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 17:21	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 17:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 17:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 17:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 17:21	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 17:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 17:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 17:21	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 17:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 17:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 17:21	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 17:21	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 17:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 17:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 17:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 17:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 17:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 17:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 17:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:21	106-46-7	
Dichlorodifluoromethane	**2.5**	ug/L	1.0	1		01/07/10 17:21	75-71-8	
1,1-Dichloroethane	**1.9**	ug/L	1.0	1		01/07/10 17:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 17:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 17:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 17:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 17:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 17:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 17:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 17:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 17:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 17:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 17:21	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 17:21	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 17:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 17:21	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 17:21	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 17:21	99-87-6	

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Asheville, NC 28804
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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 2 **Lab ID: 9260438001** Collected: 12/29/09 14:00 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 17:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/07/10 17:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 17:21	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 17:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 17:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 17:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 17:21	127-18-4	
Toluene	ND	ug/L	1.0	1		01/07/10 17:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 17:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 17:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 17:21	79-01-6	
Trichlorofluoromethane	**1.3**	ug/L	1.0	1		01/07/10 17:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 17:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 17:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 17:21	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 17:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 17:21	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		01/07/10 17:21	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	1		01/07/10 17:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120	1		01/07/10 17:21	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		01/07/10 17:21	2037-26-5	

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(704)875-9092

ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 3 **Lab ID: 9260438002** Collected: 12/29/09 14:30 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**43.1**	ug/L	5.0	1	01/04/10 11:51	01/05/10 23:34	7440-39-3	
Selenium	ND	ug/L	10.0	1	01/04/10 11:51	01/05/10 23:34	7782-49-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	01/04/10 14:38	01/06/10 12:56	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 17:45	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 17:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 17:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 17:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 17:45	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 17:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 17:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 17:45	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 17:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 17:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 17:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 17:45	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 17:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 17:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 17:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 17:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 17:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 17:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 17:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/07/10 17:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/07/10 17:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 17:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 17:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 17:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 17:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 17:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 17:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 17:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 17:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 17:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 17:45	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 17:45	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 17:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 17:45	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 17:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 17:45	99-87-6	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 3 **Lab ID: 9260438002** Collected: 12/29/09 14:30 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 17:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 17:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/07/10 17:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 17:45	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 17:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 17:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 17:45	127-18-4	
Toluene	ND	ug/L	1.0	1		01/07/10 17:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 17:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 17:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 17:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 17:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/07/10 17:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 17:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 17:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 17:45	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 17:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 17:45	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		01/07/10 17:45	460-00-4	
Dibromofluoromethane (S)	100	%	85-115	1		01/07/10 17:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120	1		01/07/10 17:45	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		01/07/10 17:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 4 **Lab ID: 9260438003** Collected: 12/29/09 15:45 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**193**	ug/L	5.0	1	01/04/10 11:51	01/05/10 23:38	7440-39-3	
Selenium	ND	ug/L	10.0	1	01/04/10 11:51	01/05/10 23:38	7782-49-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**2.2**	ug/L	0.20	1	01/04/10 14:38	01/06/10 12:58	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 18:09	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 18:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 18:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 18:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 18:09	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 18:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 18:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 18:09	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 18:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 18:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 18:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 18:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 18:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 18:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 18:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 18:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 18:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 18:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 18:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:09	541-73-1	
1,4-Dichlorobenzene	**1.4**	ug/L	1.0	1		01/07/10 18:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/07/10 18:09	75-71-8	
1,1-Dichloroethane	**1.1**	ug/L	1.0	1		01/07/10 18:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 18:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 18:09	75-35-4	
cis-1,2-Dichloroethene	**1.8**	ug/L	1.0	1		01/07/10 18:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 18:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:09	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 18:09	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 18:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 18:09	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 18:09	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 18:09	99-87-6	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 4 **Lab ID: 9260438003** Collected: 12/29/09 15:45 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 18:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 18:09	108-10-1	
Methyl-tert-butyl ether	**1.2**	ug/L	1.0	1		01/07/10 18:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 18:09	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 18:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 18:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 18:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 18:09	127-18-4	
Toluene	ND	ug/L	1.0	1		01/07/10 18:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 18:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 18:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 18:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/07/10 18:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 18:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 18:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 18:09	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 18:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 18:09	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		01/07/10 18:09	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		01/07/10 18:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120	1		01/07/10 18:09	17060-07-0	
Toluene-d8 (S)	103	%	70-120	1		01/07/10 18:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 5 **Lab ID: 9260438004** Collected: 12/29/09 15:00 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**91.1**	ug/L	5.0	1	01/04/10 11:51	01/05/10 23:42	7440-39-3	
Selenium	ND	ug/L	10.0	1	01/04/10 11:51	01/05/10 23:42	7782-49-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	01/04/10 14:38	01/06/10 13:01	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 18:33	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 18:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 18:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 18:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 18:33	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 18:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 18:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 18:33	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 18:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 18:33	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 18:33	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 18:33	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 18:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 18:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 18:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 18:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 18:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 18:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 18:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/07/10 18:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/07/10 18:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 18:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 18:33	75-35-4	
cis-1,2-Dichloroethene	**1.4**	ug/L	1.0	1		01/07/10 18:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 18:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:33	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 18:33	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 18:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 18:33	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 18:33	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 18:33	99-87-6	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 5 **Lab ID: 9260438004** Collected: 12/29/09 15:00 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 18:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 18:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/07/10 18:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 18:33	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 18:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 18:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 18:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 18:33	127-18-4	
Toluene	ND	ug/L	1.0	1		01/07/10 18:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 18:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 18:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 18:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/07/10 18:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 18:33	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 18:33	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 18:33	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 18:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 18:33	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		01/07/10 18:33	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		01/07/10 18:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120	1		01/07/10 18:33	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		01/07/10 18:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 6 **Lab ID: 9260438005** Collected: 12/29/09 15:00 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**149**	ug/L	5.0	1	01/04/10 11:51	01/05/10 23:46	7440-39-3	
Selenium	ND	ug/L	10.0	1	01/04/10 11:51	01/05/10 23:46	7782-49-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	01/04/10 14:38	01/06/10 13:03	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 18:57	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 18:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 18:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 18:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 18:57	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 18:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 18:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 18:57	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 18:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 18:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 18:57	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 18:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 18:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 18:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 18:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 18:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 18:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 18:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 18:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/07/10 18:57	75-71-8	
1,1-Dichloroethane	**1.0**	ug/L	1.0	1		01/07/10 18:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 18:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 18:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 18:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 18:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 18:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 18:57	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 18:57	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 18:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 18:57	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 18:57	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 18:57	99-87-6	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO LANDFILL WELL # 6 **Lab ID: 9260438005** Collected: 12/29/09 15:00 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 18:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 18:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/07/10 18:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 18:57	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 18:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 18:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 18:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 18:57	127-18-4	
Toluene	ND	ug/L	1.0	1		01/07/10 18:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 18:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 18:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 18:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 18:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/07/10 18:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 18:57	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 18:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 18:57	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 18:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 18:57	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109	1		01/07/10 18:57	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	1		01/07/10 18:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120	1		01/07/10 18:57	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		01/07/10 18:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO UPSTREAM **Lab ID: 9260438006** Collected: 12/29/09 13:30 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**33.2**	ug/L	5.0	1	01/04/10 11:51	01/06/10 00:00	7440-39-3	
Selenium	ND	ug/L	10.0	1	01/04/10 11:51	01/06/10 00:00	7782-49-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	01/04/10 14:38	01/06/10 13:06	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 19:21	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 19:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 19:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 19:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 19:21	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 19:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 19:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 19:21	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 19:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 19:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 19:21	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 19:21	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 19:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 19:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 19:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 19:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 19:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 19:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 19:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/07/10 19:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/07/10 19:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 19:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 19:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 19:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 19:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 19:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 19:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 19:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 19:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 19:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 19:21	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 19:21	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 19:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 19:21	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 19:21	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 19:21	99-87-6	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO UPSTREAM **Lab ID: 9260438006** Collected: 12/29/09 13:30 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 19:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 19:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/07/10 19:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 19:21	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 19:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 19:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 19:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 19:21	127-18-4	
Toluene	ND	ug/L	1.0	1		01/07/10 19:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 19:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 19:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 19:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/07/10 19:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 19:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 19:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 19:21	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 19:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 19:21	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		01/07/10 19:21	460-00-4	
Dibromofluoromethane (S)	105	%	85-115	1		01/07/10 19:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120	1		01/07/10 19:21	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		01/07/10 19:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO DOWNSTREAM **Lab ID: 9260438007** Collected: 12/29/09 15:45 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	**8.6**	ug/L	5.0	1	01/04/10 11:51	01/06/10 00:04	7440-39-3	
Selenium	ND	ug/L	10.0	1	01/04/10 11:51	01/06/10 00:04	7782-49-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	01/04/10 14:38	01/06/10 13:13	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 19:45	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 19:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 19:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 19:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 19:45	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 19:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 19:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 19:45	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 19:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 19:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 19:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 19:45	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 19:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 19:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 19:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 19:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 19:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 19:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 19:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/07/10 19:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/07/10 19:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 19:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 19:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 19:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 19:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 19:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 19:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 19:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 19:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 19:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 19:45	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 19:45	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 19:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 19:45	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 19:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 19:45	99-87-6	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: CLAY CO DOWNSTREAM **Lab ID: 9260438007** Collected: 12/29/09 15:45 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 19:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 19:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/07/10 19:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 19:45	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 19:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 19:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 19:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 19:45	127-18-4	
Toluene	ND	ug/L	1.0	1		01/07/10 19:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 19:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 19:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 19:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 19:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/07/10 19:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 19:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 19:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 19:45	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 19:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 19:45	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109	1		01/07/10 19:45	460-00-4	
Dibromofluoromethane (S)	105	%	85-115	1		01/07/10 19:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120	1		01/07/10 19:45	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		01/07/10 19:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: EQUPMENT BLANK **Lab ID: 9260438008** Collected: 12/29/09 13:15 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Barium	ND	ug/L	5.0	1	01/04/10 11:51	01/06/10 00:07	7440-39-3	
Selenium	ND	ug/L	10.0	1	01/04/10 11:51	01/06/10 00:07	7782-49-2	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	01/04/10 14:38	01/06/10 13:16	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 20:09	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 20:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 20:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 20:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 20:09	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 20:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 20:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 20:09	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 20:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 20:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 20:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 20:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 20:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 20:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 20:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 20:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 20:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 20:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 20:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/07/10 20:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/07/10 20:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 20:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 20:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 20:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 20:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 20:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 20:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 20:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 20:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 20:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 20:09	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 20:09	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 20:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 20:09	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 20:09	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 20:09	99-87-6	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: EQUPMENT BLANK **Lab ID: 9260438008** Collected: 12/29/09 13:15 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 20:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 20:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/07/10 20:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 20:09	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 20:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 20:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 20:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 20:09	127-18-4	
Toluene	ND	ug/L	1.0	1		01/07/10 20:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 20:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 20:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 20:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/07/10 20:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 20:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 20:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 20:09	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 20:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 20:09	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		01/07/10 20:09	460-00-4	
Dibromofluoromethane (S)	105	%	85-115	1		01/07/10 20:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	79-120	1		01/07/10 20:09	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		01/07/10 20:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: TRIP BLANK **Lab ID: 9260438009** Collected: 12/29/09 00:00 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		01/07/10 20:33	67-64-1	
Benzene	ND	ug/L	1.0	1		01/07/10 20:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/07/10 20:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/07/10 20:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/07/10 20:33	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/07/10 20:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/07/10 20:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/07/10 20:33	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/07/10 20:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/07/10 20:33	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/07/10 20:33	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/07/10 20:33	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/07/10 20:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 20:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/07/10 20:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		01/07/10 20:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/07/10 20:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/07/10 20:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/07/10 20:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/07/10 20:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/07/10 20:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/07/10 20:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/07/10 20:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 20:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/07/10 20:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 20:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/07/10 20:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/07/10 20:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/07/10 20:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 20:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/07/10 20:33	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/07/10 20:33	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		01/07/10 20:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/07/10 20:33	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/07/10 20:33	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/07/10 20:33	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		01/07/10 20:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/07/10 20:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/07/10 20:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/07/10 20:33	91-20-3	
Styrene	ND	ug/L	1.0	1		01/07/10 20:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 20:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/07/10 20:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/07/10 20:33	127-18-4	

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ANALYTICAL RESULTS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

Sample: TRIP BLANK **Lab ID: 9260438009** Collected: 12/29/09 00:00 Received: 12/30/09 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	ND	ug/L	1.0	1		01/07/10 20:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/07/10 20:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/07/10 20:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/07/10 20:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/07/10 20:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/07/10 20:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/07/10 20:33	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/07/10 20:33	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/07/10 20:33	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/07/10 20:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/07/10 20:33	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109	1		01/07/10 20:33	460-00-4	
Dibromofluoromethane (S)	104	%	85-115	1		01/07/10 20:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	79-120	1		01/07/10 20:33	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		01/07/10 20:33	2037-26-5	

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QUALITY CONTROL DATA

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

QC Batch: MPRP/5626 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 9260438001, 9260438002, 9260438003, 9260438004, 9260438005, 9260438006, 9260438007, 9260438008

METHOD BLANK: 386220 Matrix: Water
Associated Lab Samples: 9260438001, 9260438002, 9260438003, 9260438004, 9260438005, 9260438006, 9260438007, 9260438008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	5.0	01/05/10 21:59	
Selenium	ug/L	ND	10.0	01/05/10 21:59	

LABORATORY CONTROL SAMPLE: 386221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	500	504	101	80-120	
Selenium	ug/L	500	488	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 386222 386223

Parameter	Units	9260333003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Barium	ug/L	16.8	500	500	523	527	101	102	75-125	1	
Selenium	ug/L	ND	500	500	489	495	98	99	75-125	1	

SAMPLE DUPLICATE: 386224

Parameter	Units	9260501001 Result	Dup Result	RPD	Qualifiers
Barium	ug/L	81.7	81.9	0	
Selenium	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

QC Batch: MERP/2584 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9260438001, 9260438002, 9260438003, 9260438004, 9260438005, 9260438006, 9260438007, 9260438008

METHOD BLANK: 386334 Matrix: Water
Associated Lab Samples: 9260438001, 9260438002, 9260438003, 9260438004, 9260438005, 9260438006, 9260438007, 9260438008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	01/06/10 11:38	

LABORATORY CONTROL SAMPLE: 386335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 386336 386337

Parameter	Units	9259798011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	1.4	1.2	55	49	75-125	11	M0

SAMPLE DUPLICATE: 386338

Parameter	Units	9259798012 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

QC Batch: MSV/9568 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9260438001, 9260438002, 9260438003, 9260438004, 9260438005, 9260438006, 9260438007, 9260438008, 9260438009

METHOD BLANK: 387173 Matrix: Water
Associated Lab Samples: 9260438001, 9260438002, 9260438003, 9260438004, 9260438005, 9260438006, 9260438007, 9260438008, 9260438009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/07/10 13:35	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/07/10 13:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/07/10 13:35	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/07/10 13:35	
1,1-Dichloroethane	ug/L	ND	1.0	01/07/10 13:35	
1,1-Dichloroethene	ug/L	ND	1.0	01/07/10 13:35	
1,1-Dichloropropene	ug/L	ND	1.0	01/07/10 13:35	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/07/10 13:35	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/07/10 13:35	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/07/10 13:35	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	01/07/10 13:35	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/07/10 13:35	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/07/10 13:35	
1,2-Dichloroethane	ug/L	ND	1.0	01/07/10 13:35	
1,2-Dichloropropane	ug/L	ND	1.0	01/07/10 13:35	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/07/10 13:35	
1,3-Dichloropropane	ug/L	ND	1.0	01/07/10 13:35	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/07/10 13:35	
2,2-Dichloropropane	ug/L	ND	1.0	01/07/10 13:35	
2-Butanone (MEK)	ug/L	ND	5.0	01/07/10 13:35	
2-Chlorotoluene	ug/L	ND	1.0	01/07/10 13:35	
2-Hexanone	ug/L	ND	5.0	01/07/10 13:35	
4-Chlorotoluene	ug/L	ND	1.0	01/07/10 13:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	01/07/10 13:35	
Acetone	ug/L	ND	25.0	01/07/10 13:35	
Benzene	ug/L	ND	1.0	01/07/10 13:35	
Bromobenzene	ug/L	ND	1.0	01/07/10 13:35	
Bromochloromethane	ug/L	ND	1.0	01/07/10 13:35	
Bromodichloromethane	ug/L	ND	1.0	01/07/10 13:35	
Bromoform	ug/L	ND	1.0	01/07/10 13:35	
Bromomethane	ug/L	ND	5.0	01/07/10 13:35	
Carbon tetrachloride	ug/L	ND	1.0	01/07/10 13:35	
Chlorobenzene	ug/L	ND	1.0	01/07/10 13:35	
Chloroethane	ug/L	ND	1.0	01/07/10 13:35	
Chloroform	ug/L	ND	1.0	01/07/10 13:35	
Chloromethane	ug/L	ND	1.0	01/07/10 13:35	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/07/10 13:35	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/07/10 13:35	
Dibromochloromethane	ug/L	ND	1.0	01/07/10 13:35	
Dibromomethane	ug/L	ND	1.0	01/07/10 13:35	
Dichlorodifluoromethane	ug/L	ND	1.0	01/07/10 13:35	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

METHOD BLANK: 387173 Matrix: Water

Associated Lab Samples: 9260438001, 9260438002, 9260438003, 9260438004, 9260438005, 9260438006, 9260438007, 9260438008, 9260438009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	01/07/10 13:35	
Ethylbenzene	ug/L	ND	1.0	01/07/10 13:35	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/07/10 13:35	
m&p-Xylene	ug/L	ND	2.0	01/07/10 13:35	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/07/10 13:35	
Methylene Chloride	ug/L	ND	2.0	01/07/10 13:35	
Naphthalene	ug/L	ND	1.0	01/07/10 13:35	
o-Xylene	ug/L	ND	1.0	01/07/10 13:35	
p-Isopropyltoluene	ug/L	ND	1.0	01/07/10 13:35	
Styrene	ug/L	ND	1.0	01/07/10 13:35	
Tetrachloroethene	ug/L	ND	1.0	01/07/10 13:35	
Toluene	ug/L	ND	1.0	01/07/10 13:35	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/07/10 13:35	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/07/10 13:35	
Trichloroethene	ug/L	ND	1.0	01/07/10 13:35	
Trichlorofluoromethane	ug/L	ND	1.0	01/07/10 13:35	
Vinyl acetate	ug/L	ND	2.0	01/07/10 13:35	
Vinyl chloride	ug/L	ND	1.0	01/07/10 13:35	
1,2-Dichloroethane-d4 (S)	%	107	79-120	01/07/10 13:35	
4-Bromofluorobenzene (S)	%	100	87-109	01/07/10 13:35	
Dibromofluoromethane (S)	%	103	85-115	01/07/10 13:35	
Toluene-d8 (S)	%	102	70-120	01/07/10 13:35	

LABORATORY CONTROL SAMPLE: 387174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.2	110	83-125	
1,1,1-Trichloroethane	ug/L	50	62.6	125	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	73-127	
1,1,2-Trichloroethane	ug/L	50	55.3	111	77-123	
1,1-Dichloroethane	ug/L	50	59.9	120	76-129	
1,1-Dichloroethene	ug/L	50	62.0	124	78-146	
1,1-Dichloropropene	ug/L	50	54.5	109	79-134	
1,2,3-Trichlorobenzene	ug/L	50	53.4	107	70-150	
1,2,3-Trichloropropane	ug/L	50	54.4	109	72-125	
1,2,4-Trichlorobenzene	ug/L	50	55.7	111	68-127	
1,2-Dibromo-3-chloropropane	ug/L	50	53.0	106	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	53.9	108	81-125	
1,2-Dichlorobenzene	ug/L	50	53.2	106	82-126	
1,2-Dichloroethane	ug/L	50	59.1	118	72-126	
1,2-Dichloropropane	ug/L	50	52.7	105	80-127	
1,3-Dichlorobenzene	ug/L	50	52.4	105	82-124	
1,3-Dichloropropane	ug/L	50	51.6	103	79-124	
1,4-Dichlorobenzene	ug/L	50	53.8	108	79-125	

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(704)875-9092

QUALITY CONTROL DATA

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

LABORATORY CONTROL SAMPLE: 387174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	64.7	129	58-140	
2-Butanone (MEK)	ug/L	100	114	114	50-134	
2-Chlorotoluene	ug/L	50	53.6	107	81-126	
2-Hexanone	ug/L	100	114	114	58-138	
4-Chlorotoluene	ug/L	50	56.1	112	82-126	
4-Methyl-2-pentanone (MIBK)	ug/L	100	114	114	70-131	
Acetone	ug/L	100	133	133	50-146	
Benzene	ug/L	50	52.1	104	78-128	
Bromobenzene	ug/L	50	54.6	109	81-127	
Bromochloromethane	ug/L	50	55.3	111	73-124	
Bromodichloromethane	ug/L	50	55.6	111	81-125	
Bromoform	ug/L	50	53.4	107	71-125	
Bromomethane	ug/L	50	57.0	114	50-150	
Carbon tetrachloride	ug/L	50	66.1	132	81-137	
Chlorobenzene	ug/L	50	54.9	110	82-126	
Chloroethane	ug/L	50	55.7	111	69-140	
Chloroform	ug/L	50	57.0	114	77-129	
Chloromethane	ug/L	50	55.0	110	54-139	
cis-1,2-Dichloroethene	ug/L	50	58.5	117	76-133	
cis-1,3-Dichloropropene	ug/L	50	55.9	112	76-127	
Dibromochloromethane	ug/L	50	54.8	110	77-125	
Dibromomethane	ug/L	50	57.8	116	77-125	
Dichlorodifluoromethane	ug/L	50	52.3	105	50-150	
Diisopropyl ether	ug/L	50	54.1	108	74-131	
Ethylbenzene	ug/L	50	55.8	112	80-127	
Hexachloro-1,3-butadiene	ug/L	50	54.0	108	78-145	
m&p-Xylene	ug/L	100	119	119	82-127	
Methyl-tert-butyl ether	ug/L	50	59.5	119	71-130	
Methylene Chloride	ug/L	50	54.4	109	67-133	
Naphthalene	ug/L	50	53.6	107	52-136	
o-Xylene	ug/L	50	56.0	112	83-124	
p-Isopropyltoluene	ug/L	50	55.3	111	73-122	
Styrene	ug/L	50	54.8	110	80-130	
Tetrachloroethene	ug/L	50	55.8	112	78-128	
Toluene	ug/L	50	54.0	108	76-126	
trans-1,2-Dichloroethene	ug/L	50	57.2	114	78-134	
trans-1,3-Dichloropropene	ug/L	50	57.4	115	75-125	
Trichloroethene	ug/L	50	56.7	113	79-127	
Trichlorofluoromethane	ug/L	50	62.4	125	76-148	
Vinyl acetate	ug/L	100	128	128	50-150	
Vinyl chloride	ug/L	50	52.7	105	67-143	
1,2-Dichloroethane-d4 (S)	%			109	79-120	
4-Bromofluorobenzene (S)	%			104	87-109	
Dibromofluoromethane (S)	%			103	85-115	
Toluene-d8 (S)	%			100	70-120	

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QUALITY CONTROL DATA

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 387175 387176

Parameter	Units	9260438001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	78.4	74.4	156	148	60-150	5	M0
Benzene	ug/L	ND	50	50	60.9	58.9	121	117	74-136	3	
Chlorobenzene	ug/L	ND	50	50	62.2	59.1	124	118	79-135	5	
Toluene	ug/L	ND	50	50	62.8	59.5	126	119	73-131	5	
Trichloroethene	ug/L	ND	50	50	64.4	62.1	128	123	73-131	4	
1,2-Dichloroethane-d4 (S)	%						111	111	79-120		
4-Bromofluorobenzene (S)	%						100	100	87-109		
Dibromofluoromethane (S)	%						105	106	85-115		
Toluene-d8 (S)	%						100	100	70-120		

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Clay Co. Landfill MWs 12/30
Pace Project No.: 9260438

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1294208

Section A Required Client Information:

Company: ENVIRONMENTAL INC
Address: PO BOX 954
CURRITUCK, NC 27923
Email To:
Phone: 520 256-5558 Fax: 520 1556-0500
Requested Due Date/TAT:

Section B Required Project Information:

Report To:
Copy To:
Purchase Order No.:
Project Name:
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N): BA, SE, Hg (RCRA)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: BA, SE, Hg (METALS)	Analysis Test: 8260 (VOC)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	CLAY CO LANDFILL WELL #2	WW	G			12/29/09	1400					X						X			9260438001
2													X						X		"
3	CLAY CO LANDFILL WELL #3	WW	G			12/29/09	1430					X						X			9260438002
4													X						X		"
5	CLAY CO LANDFILL WELL #4	WW	G			12/29/09	1545					X						X			9260438003
6													X						X		"
7	CLAY CO LANDFILL WELL #5	WW	G			12/29/09	1500					X						X			9260438004
8													X						X		"
9	CLAY CO LANDFILL WELL #6	WW	G			12/29/09	1530					X						X			9260438005
10													X						X		"
11	CLAY CO UPSTREAM	WT	G			12/29/09	1330					X						X			9260438006
12													X						X		"

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Anthony Clark	12/30/09	10:28A	[signature]	12/30/09	10:28	2.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1294212

Section A Required Client Information:

Company: ENVIRONMENTAL INC
Address: PO BOX 954
CULLOWHEE, NC 28723
Email To:
Phone: (828) 586-5588 Fax: (828) 586-0800
Requested Due Date/TAT:

Section B Required Project Information:

Report To:
Copy To:
Purchase Order No.:
Project Name:
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BASIC, Hg, CMETALS	Analysis Test (Y/N): 8260 (VOC)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9260438
1	CLAY CO DOWNSTREAM	WT	G			12/29/09	1545					X						X			9260438007
2													X						X		"
3	EQUIPMENT BLANK	WT	G			12/29/09	1315					X						X			9260438008
4													X						X		"
5	TRIP BLANK	WT	G			12/29/09							X						X		9260438009
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Nathaniel Clark	12/30/09	1025A		12/30/09	10:28	2.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007