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NC DENR

Division of Waste Management - Solid Waste

# Environmental Monitoring Reporting Form

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

### Instructions:

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

### Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

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

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### 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     Methane gas monitoring data  
 Groundwater monitoring data from private water supply wells     Corrective action data (specify) \_\_\_\_\_  
 Leachate monitoring data     Other(specify) \_\_\_\_\_  
 Surface water monitoring data

### 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.

Facility Representative Name (Print)

Title

(Area Code) Telephone Number

Affix NC Licensed/ Professional Geologist Seal

Signature

Date

Facility Representative Address

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

## **David Garrett & Associates**

*Engineering and Geology*



July 12, 2013

Ms. Jackie Drummond  
NC Division of Waste Management  
Solid Waste Section  
Mail Service Center 1646  
Raleigh, NC 27699-1646

RE: Water Quality Monitoring Report for November 2012  
Phase 1 Assessment and Phase 2 Detection Monitoring  
C&D Landfill, Inc. (Pitt County, North Carolina)  
Permit #74-07

Dear Ms. Drummond:

On behalf of C&D Landfill, Inc., I am pleased to present this report of the semi-annual water quality monitoring event conducted on November 27, 2012. This event included all active wells:

- For Phase 1 – MW-1s (background), MW-2s, MW-2d, MW-4, MW-5, MW-6, and MW-7 (detection sampling)
- For Phase 1 – MW-3s, MW-3d, MW-3A, and MW-8 (detection and assessment)
- For Phase 2 – MW-9A (background), MW-10, MW-11, MW-12s, MW-13, MW-14s and MW-14d (detection sampling only)

Surface water sampling included:

- For Phase 1 – SW-1, SW-2, SW-3, and SW-4 (detection)
- For Phase 2 – SW-2, SW-4 (background)

The deep background well for Phase 1, MW-1d, is damaged and could not be sampled. Repairs will be made prior to the next scheduled sampling of this well. At each location, field parameters were measured and recorded. Samples were preserved and returned to the laboratory. The sampling and analysis was conducted by Environment-1, Inc., in accordance with the Division of Waste Management-approved **Sampling and Analysis Plan** dated May 2008 (Rev. 3), and the **Ground Water Assessment Work Plan** dated June 2009, both prepared by David Garrett & Associates.

5105 Harbour Towne Drive • Raleigh • North Carolina • 27604  
919-418-4375 (Mobile) • E-mail: david@davidgarrettpe.com

Sampling locations are depicted, relative to the waste boundaries, water features, other landmarks, and potentiometric contours representing ground water flow conditions, on **Drawing MP-1**. Summarized well construction specifications, water level data, and field parameters for the sampling event are presented on **Table 1**. Historic groundwater quality data for the past five years is presented on **Table 2**. Separate tables were prepared for the two phases.

## **General Observations**

Ground water depths and flow directions indicated by the potentiometric contours in **Drawing MP-1** are within the range of expected values, based on historic data. Water levels during this sampling event were higher than the May 2012 levels as a result of incumbent climate conditions – the Palmer indices show a drought in 2011 becoming more normal in mid- to late-2012.<sup>1</sup>

Ground water flow is directed toward the south and southwest, where there are no identified ground water users, and rather flat gradients, extending through agricultural and wooded marshy areas leading to the Tar River. Much of the downgradient area is beneath the 100-year flood level and is not anticipated to undergo development or groundwater use in the foreseeable future.

## **Key Observations – Phase 1**

Turbidity values range from 18 ntu (MW-1s) to 400 ntu (MW-8); the higher values were observed at MW-3s (400 ntu), MW-3A (360) and MW-8; historically the high turbidity has been known to affect the detected concentrations of inorganic constituents and perhaps organic constituents, as well, since many of the organic compounds tend to cling to soil particles.

Values of temperature are within the expected range of values, based on historic data. Values of conductivity vary from 295 umho/cm (MW-6) to 7,007 umho/cm (MW-1s), but these are not the highest ever recorded here. The ground water contains high levels of dissolved salts, which affects conductivity, and the dissolved constituents are affected by dilution factors reflected by fluctuations in groundwater level. Past studies demonstrate the presence of high concentrations of dissolved solids. The higher conductivity values tend to be located in the shallow wells.

Values of pH warrant close observation – the deeper wells MW-2d and MW-3d show a pH of 9.2 and 8.1, respectively, whereas the shallow wells vary from 6.3 to 6.9. No temporal trends have been established. Review of a groundwater sampling report prepared in January 2003 noted that several wells showed pH values ranging from 7 to 8 during the initial sampling event. The background sampling report from May 2001 indicated similar results and suggested that naturally high concentrations of chlorides tends to raise pH values.

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<sup>1</sup> <http://www.ncdc.noaa.gov/temp-and-precip/drought/historical-palmers.php>

Inorganic Appendix I constituents detected at Phase 1 monitoring wells and surface water samples are consistent with historic data. Cobalt and vanadium have been detected widely in the sampling network and in both the background well (MW-1s) and surface water location (SW-1); both have been detected intermittently above and below the 2L standard.

Traditionally Appendix I monitored organic constituents detected during this event include benzene at MW-3s (1.2 ug/l) and MW-3A (0.7 ug/g) and MW-8 (1.6 ug/l); methylene chloride was also detected at MW-3s (0.8 ug/l). The 2L standard for benzene is 1 ug/l; this is a recurring constituent in the monitoring program that appears to be isolated to the vicinity of these three wells. Methylene chloride is a common laboratory contaminant and has not been prevalent at this site. No Appendix I organic constituents were detected in the surface water samples.

Inorganic Appendix II constituents detected at Phase 1 monitoring wells and surface water samples include mercury (0.02 ug/l), sulfide (644 ug/l) and tin (0.13 ug/l) at MW-3s; mercury (0.03 ug/l) and tin (0.17 ug/l) at MW-3d, mercury (0.05 ug/l) and tin (0.28 ug/l) at MW-3A, and tin (0.92 ug/l) at MW-8. None of these detected concentrations exceed the 2L standards; none of these constituents have been detected in the surface water samples.

None of the monitored organic Appendix II constituents were detected at Phase 1 monitoring wells or surface water samples.

Sampling for tetrahydrofuran indicated detections at wells MW-2s (8.5 ug/l), MW-3s (4.6 ug/l), MW-3A (3.8 ug/l), MW-7 (1.2 ug/l), and MW-8 (5.5 ug/l). No tetrahydrofuran was detected at the surface sampling locations.

## **Key Observations – Phase 2**

Turbidity values were not acquired at the Phase 2 sampling locations – this will be corrected in future sampling events; values of pH, temperature and conductivity are with the expected range of values; no clear trends associated with the field parameters with analytical data has been discerned.

Inorganic Appendix I constituents detected at Phase 2 monitoring wells and surface water samples are within the expected range of parameters, except for arsenic and barium at one well (MW-12s), with arsenic detected above the 2L standard. Arsenic was detected above the 2L standard at another well (MW-6) in 2007 and 2008, but the levels have since subsided. No distinct trends are observed.

The only inorganic Appendix I constituent found above the 2L standard with any consistency has been vanadium, which has been detected widely in the sampling network and in both the background well (MW-9A) and surface water location (SW-4). Cobalt is present, intermittently above and below the 2L standard, at most other locations. Both constituents have been identified as background.

Organic Appendix I constituents typically have been detected randomly throughout the data base, mostly below 2L standards; none of these data show any consistency.

An exception is MW-12s, where benzene (1.20 ug/l), 1,2-dichloroethane (1.10 ug/l), and vinyl chloride (0.80J ug/l) were detected above the respective 2L standards during this sampling event; prior detections include 1,2-dichloroethane, cis-1,2-dichloroethene, ethylbenzene, toluene, xylene, and trichloroethene (TCE), all detected at values well below the 2L standards.

Sampling for tetrahydrofuran indicated concentrations ranging from 2.50 ug/l (at MW-12s) to 18.40 ug/l (at MW-11); none was detected at MW-9A, MW-10, MW-13, or MW-14d. No tetrahydrofuran was detected at the surface sampling locations.

### **Conclusions – Detection Sampling**

Sampling for inorganic constituents in surface water indicates the presence of cobalt and vanadium in the background, along with other constituents.

Arsenic detected above the 2L standard and barium values increasing with time at MW-12s warrant further observation; arsenic values exceeded the 2L standard for two earlier non-consecutive sampling events at MW-6, but those values have subsided and no consistent trend can be discerned.

Detection of organics is spotty within surface water samples; some detected constituents were found in the background sampling location SW-1.

No trends can be discerned from the surface water data; the irregular pattern of detections of organic constituents suggests the possibility of sampling or laboratory anomalies.

No distinct trends are discernible in the inorganic constituents for surface water, except that vanadium and cobalt are present in the background with values that often exceed 2L standards.

The data does not indicate an impact on surface water quality due to landfill activities.

Sampling for tetrahydrofuran, which began in May 2011 as required of all C&D landfills by the Division of Waste Management, has indicated numerous detects at nearly all monitoring wells associated with Phase 1 and several with Phase 2.

There is no regulatory standard established for tetrahydrofuran, thus the implications of these results has yet to be determined.

## Conclusions – Assessment Sampling

Monitoring well sampling data appears to indicate a ground water impact on the southwest side of Phase 1, at MW-3s, MW-3A, and MW-8; assessment monitoring was triggered by the detection of benzene at MW-3s and MW-3A; the source of the constituents of concern have not been verified.

The potential impact appears to be isolated in the vicinity of wells MW-3s, MW-3A, and MW-8; constituents of concern include a mix of inorganic and organic constituents that are slightly elevated above those observed at other sampling locations; well MW-12s located nearby may be influenced.

The ground water impact is not severe, whereas only benzene has been found with any consistency, typically at values below the 2L standard, except for this sampling event where one detect slightly above the 2L standard was observed; no clear data trends can yet be discerned.

The data does not appear to show any impact at MW-3d.

Trace values of four common pesticides, such as might have been used during the former agricultural activities at the site, were detected in May 2012 but not in this event; the drainage ditch between Phase 1 and Phase 2 is a potential source; the full history of this portion of the site is unknown.

Continued monitoring of assessment parameters will emphasize close observation of benzene and the recently detected pesticides at MW-3s, MW-3A, and MW-8.

The monitoring well MW-1d will be repaired, and steps will be taken to ensure that turbidity and all of the required Appendix II parameters are sampled at each respective sampling location.

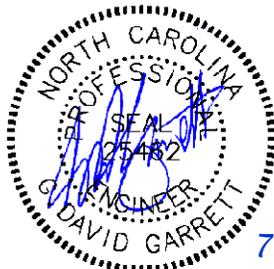
The data do not suggest the need for additional wells, sampling parameters or changes to the sampling frequency at this time. The next round of semi-annual water-quality monitoring will be conducted in May 2013.

Please contact me at your earliest convenience with questions or comments.

Sincerely,



G. David Garrett, P.G., P.E.



7/12/2013

cc: Mr. Judson Whitehurst – C&D Landfill, Inc.

Attachments

Table 1  
Monitoring Well and Groundwater Data  
Water Quality Monitoring  
Nov 27, 2012  
C&D Landfill, Inc. Phase 1  
Greenville, Pitt County, North Carolina  
Permit # 74-07

Well Identity	Depth to Groundwater (Feet BTOC)	Elevation Top of PVC Well Casing (Feet MSL)	Groundwater Elevation (Feet MSL)	Field Parameters			
				Temp. C°	pH	S.C. umhos/cm	Turbidity (ntu)
MW-1s	8.20	20.91	12.71	17.0	6.3	7,007	18
MW-1d	NM	21.14	#VALUE!	NM	NM	NM	NM
MW-2s	10.94	21.44	10.50	18.0	6.4	1,853	150
MW-2d	12.15	21.80	9.65	18.0	9.2	280	--
MW-3s	12.34	23.02	10.68	20.0	6.5	1,676	400
MW-3d	12.36	22.83	10.47	18.0	8.1	511	--
MW-3A	11.43	21.93	10.50	17.0	6.4	2,061	360
MW-4	6.62	18.42	11.80	16.0	6.1	508	70
MW-5	6.58	17.90	11.32	18.0	6.9	1,215	23
MW-6	9.54	20.03	10.49	17.0	6.5	295	23
MW-7	8.61	19.40	10.79	17.0	6.3	1,471	35
MW-8	9.72	21.21	11.49	19.0	6.5	2,070	400

Notes: BGS = Below Ground Surface

NM = Not Measured  
S.C. = Specific Conductance  
ntu = Nephelometric Turbidity Units

Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-1s (Background)												
		Sampling Date	11/16/07	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/04/2013
1*	Antimony	ND	ND	0.1	0.1	ND	ND	ND	0.19 J	ND	0.12 J	0.14 J		
10	Arsenic	ND	0.5	1.1	1.8	2.1	0.7 J	1.9 J	0.36 J	1.1 J	0.88 J	0.74 J		
700	Barium	62.4	27.5	62.5	26	77.4	23.5 J	56.6 J	36 J	58.7 J	68.3 J	37.1 J		
4*	Beryllium	0.6	1	0.7	2.6	0.2	0.5 J	0.3 J	0.16 J	0.26 J	0.19 J	0.18 J		
2	Cadmium	0.7	0.6	0.3	<b>2.3</b>	0.2	0.2 J	0.2 J	0.11 J	0.37 J	---	0.16 J		
10	Chromium	0.3	0.2	0.5	ND	ND	0.5 J	0.5 J	0.44 J	0.66 J	0.91 J	0.45 J		
1*	Cobalt	<b>1.5</b>	0.8	0.9	<b>1.2</b>	<b>2.5</b>	0.7 J	0.8 J	0.41 J	0.48 J	0.38 J	0.31 J		
1000	Copper	ND	1.5	1.3	0.7	0.9	0.7 J	0.5 J	1.1 J	0.89 J	0.87 J	1.0 J		
70	Cyanide (assessment)													
15	Lead	1.3	1.6	2.8	3.7	0.8	3.0 J	2.0 J	0.6 J	1.7 J	1.1 J	1.1 J		
1	Mercury (assessment)											---	U	
100	Nickel	3.3	5.2	4	2.1	1.7	3.2 J	3.9 J	1.2 J	1.4 J	2.6 J	2.6 J		
20	Selenium	1.9	1.9	1.6	5.2	5.2	1.0 J	1.8 J	0.46 J	1.2 J	1.7 J	1.2 J		
20	Silver	ND	0.2	ND	ND	0.1	0.1 J	ND	ND	ND	---	U		
NE	Sulfide (assessment)													
0.28*	Thallium	ND	0.1	ND	ND	0.1	ND	ND	ND	ND	0.35 J	---	U	
2000*	Tin (assessment)											---	U	
0.3*	Vanadium	<b>1.5</b>	<b>0.8</b>	<b>2.6</b>	<b>3.5</b>	<b>1</b>	<b>3.8 J</b>	<b>3.3 J</b>	<b>1.2 J</b>	<b>2.5 J</b>	<b>1.7 J</b>	<b>1.2 J</b>		
1000	Zinc	7.9	4.5	5.1	9.4	2.2	2.2 J	5.6 J	2.6 J	3.2 J	1.4 J	4.7 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)													
6000	Acetone	ND	3.3	1.7	3	ND	ND	ND	ND	ND	---	U	---	U
1	Benzene	ND	ND	ND	ND	ND	ND	0.6 J	0.3 J	ND	---	U	---	U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
4000	Methyl Ethyl Ketone (2-butanone)	ND	0.9	ND	24.8	ND	ND	ND	ND	ND	---	U	---	U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
3000	Chloroethane (Ethyl Chloride)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1	ND	ND	ND	ND	ND	ND	---	U	---	U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	U	---	U
NE	Tetrahydrofuran								ND	ND	1.80	---	U	U
7*	Dinoseb													
70	2,4-D													
NE	2,4,5-T													
50	2,4,5-TP (Silvex)													

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
ND = Not Detected above the Laboratory Reporting Limit  
NE = Not Established      NS = Not sampled  
U = not detected above the laboratory method detection limit  
J = Estimated value above laboratory method detection limit and below SWSL

Table 2  
 Summarized Laboratory Analytical Results for Groundwater Samples  
 C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
 Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-1d (Background)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/04/2013
1*	Antimony	NS	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10	Arsenic	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	
700	Barium	NS	11.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4*	Beryllium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	
2	Cadmium	NS	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10	Chromium	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1*	Cobalt	NS	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1000	Copper	NS	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	
70	Cyanide (assasment)												
15	Lead	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1	Mercury (assasment)												
100	Nickel	NS	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	
20	Selenium	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	
20	Silver	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	
NE	Sulfide (assasment)												
0.28*	Thallium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	
2000*	Tin (assasment)												
0.3*	Vanadium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1000	Zinc	NS	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
700	Carbon Disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	
NE	Bromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
0.6	Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4	Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
3000	Chloroethane (Ethyl Chloride)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
70	Chloroform (Trichloromethane)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
3	Chloromethane	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	
0.4	Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
70	Dibromomethane (Methylene Dibromide)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
0.4	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
600	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
5	Methylene Chloride (Dichloromethane)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
560*	4-Methyl-2-Pentanone (MIBK)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
0.7	Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
600	Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
500	Total Xylenes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
0.03	Vinyl Chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
NE	Tetrahydrofuran												
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
 2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
 \* - denotes groundwater standard based on other criteria  
 Laboratory results in bold exceed NCAC 2L Standard or SWSL  
 ND = Not Detected above the Laboratory Reporting Limit  
 NE = Not Established NS = Not sampled  
 U = not detected above the laboratory method detection limit  
 J = Estimated value above laboratory method detection limit and below SWSL

Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-2s											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony	0.4	ND	0.1	0.1	0.1	0.7 J	ND	ND	ND	0.12J	0.28 J	
10	Arsenic	4.2	1.3	5.6	2.2	0.8	1.7 J	5.6 J	3.1 J	0.9 J	6.1 J	9 J	
700	Barium	96.9	51.8	165	6.9	15.4	47.5 J	149	101	34.3 J	166	152	
4*	Beryllium	ND	0.1	ND	ND	0.9	0.1 J	0.1 J	0.1 J	0.07 J	0.17 J	0.09 J	
2	Cadmium	0.3	0.1	0.1	0.4	0.4	0.8 J	0.6 J	0.29 J	0.17 J	0.25 J	0.18 J	
10	Chromium	0.5	0.6	1.7	0.7	ND	0.7 J	0.6 J	0.62 J	0.29 J	1.7 J	1.9 J	
1*	Cobalt	<b>9.3</b>	<b>1.3</b>	<b>10</b>	<b>5.8</b>	0.4	<b>1.1 J</b>	<b>3.3 J</b>	<b>3.7 J</b>	<b>1.1 J</b>	<b>7.0 J</b>	<b>8.6 J</b>	
1000	Copper	NA	1	1.2	1.9	1.2	0.9 J	1.1 J	1.5 J	0.49 J	1.3 J	1.3 J	
70	Cyanide (assasment)												
15	Lead	ND	0.5	0.4	0.5	3.9	1.1 J	0.5 J	0.92 J	0.68 J	1.3 J	0.64 J	
1	Mercury (assasment)												
100	Nickel	3.6	2.1	6	1.8	3.1	1.7 J	6.2 J	3.1 J	1.2 J	4.4 J	6.6 J	
20	Selenium	2.3	1.2	4.8	2.5	1.9	3.5 J	ND	ND	1.3 J	13	15	
20	Silver	ND	0.1	ND	ND	0.2	ND	ND	ND	ND	--- U	--- U	
NE	Sulfide (assasment)												
0.28*	Thallium	0.2	0.1	0.1	ND	ND	ND	0.1 J	0.1 J	0.07 J	0.22 J	0.10 J	
2000*	Tin (assasment)												
0.3*	Vanadium	<b>0.9</b>	ND	<b>1.3</b>	<b>1.8</b>	<b>3.5</b>	<b>2.1 J</b>	<b>0.6 J</b>	<b>0.94 J</b>	<b>0.75 J</b>	<b>2.0 J</b>	<b>1.7 J</b>	
1000	Zinc	3.3	1.9	2.4	5	3	5.8 J	3.5 J	3.1 J	2 J	2.0 J	4.6 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.2	2.7	3.4	ND	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	0.6	
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	1	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	0.4	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1.4	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
500	Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								0.7 J	ND	2.40	8.50	
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-2d											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/04/2013
1*	Antimony	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	0.1 J	
10	Arsenic	NS	0.4	NS	1.2	ND	NS	NS	NS	0.48 J	NS	0.35 J	
700	Barium	NS	16	NS	1.84	16.7	NS	NS	NS	2 J	NS	1.8 J	
4*	Beryllium	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
2	Cadmium	NS	0.35	NS	<b>3.6</b>	0.1	NS	NS	NS	0.09 J	NS	0.03 J	
10	Chromium	NS	0.3	NS	1.7	ND	NS	NS	NS	ND	NS	--- U	
1*	Cobalt	NS	0.0001	NS	0.4	0.1	NS	NS	NS	ND	NS	0.04 J	
1000	Copper	NS	0.7	NS	5.5	0.7	NS	NS	NS	0.15 J	NS	0.76 J	
70	Cyanide (assasment)										NS		
15	Lead	NS	0.2	NS	0.7	ND	NS	NS	NS	0.06 J	NS	0.07 J	
1	Mercury (assasment)										NS		0.04 J
100	Nickel	NS	1.4	NS	1.7	1	NS	NS	NS	1.3 J	NS	1.1 J	
20	Selenium	NS	0.2	NS	ND	ND	NS	NS	NS	0.38 J	NS	0.55 J	
20	Silver	NS	0.1	NS	ND	0.1	NS	NS	NS	ND	NS	--- U	
NE	Sulfide (assasment)										NS	--- U	ND
0.28*	Thallium	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
2000*	Tin (assasment)										NS	--- U	0.04 J
0.3*	Vanadium	NS	ND	NS	<b>2.6</b>	<b>0.5</b>	NS	NS	NS	<b>2 J</b>	NS	<b>1.5 J</b>	
1000	Zinc	NS	2.2	NS	14	0.4	NS	NS	NS	1.1 J	NS	1.8 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	2.5	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
1	Benzene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
700	Carbon Disulfide	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	NS	0.9	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
NE	Bromochloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
0.6	Bromodichloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
4	Bromoform	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
3000	Chloroethane (Ethyl Chloride)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
70	Chloroform (Trichloromethane)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
3	Chloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
0.4	Dibromochloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
70	Dibromomethane (Methylene Dibromide)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
0.4	1,2-Dichloroethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
600	Ethylbenzene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
5	Methylene Chloride (Dichloromethane)	NS	0.2	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
0.7	Tetrachloroethene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
600	Toluene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
500	Total Xylenes	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
0.03	Vinyl Chloride	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	
NE	Tetrahydrofuran								NA	ND	NS	---U	U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3s (Assessment)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/6/2013
1*	Antimony	0.1	ND	0.1	ND	ND	ND	ND	ND	ND	0.27 J	0.16 J	
10	Arsenic	6.7	0.4	8.4	7	6.8	9.2 J	ND	3.8 J	4.9 J	4.2 J	5.7 J	
700	Barium	357	4	447	460	492	527	254	242	484.0	342.0	425	
4*	Beryllium	ND	ND	ND	ND	ND	ND	0.1 J	ND	ND	--- U	--- U	
2	Cadmium	0.7	1	ND	0.1	ND	0.3 J	0.1 J	0.07 J	0.12 J	0.04 J	0.05 J	
10	Chromium	1.2	0.2	1.4	1.6	1	2 J	1.7 J	0.76 J	1.7 J	1.0 J	1.5 J	
1*	Cobalt	<b>9.4</b>	0.1	<b>17</b>	<b>12.6</b>	<b>5.7</b>	<b>18</b>	<b>37</b>	<b>14</b>	<b>6.8 J</b>	<b>2.6 J</b>	<b>15</b>	
1000	Copper	1.8	0.8	1.3	1.4	1.9	1.1 J	1.1 J	1.3 J	1.5 J	0.91 J	1.6 J	
70	Cyanide (assessment)					ND	ND	ND	ND	ND	--- U		
15	Lead	0.1	ND	0.1	ND	0.1	0.1 J	0.1 J	0.16 J	0.42 J	0.22 J	0.31 J	
1	Mercury (assessment)					ND	ND	ND	ND	ND	0.09 J	0.02 J	0.03 J
100	Nickel	5.9	0.5	7.1	5.4	5.8	10.8 J	12.1 J	3.3 J	4.3 J	3.6 J	5.8 J	
20	Selenium	5.6	0.3	9.8	8.2	ND	11	ND	3.5 J	6.6 J	3.8 J	0.3 J	
20	Silver	ND	ND	0.1	ND	0.2	0.1 J	ND	ND	0.04 J	--- U	--- U	
NE	Sulfide (assessment)					ND	ND	1.38	544 J	2795.00	137 J	644 J	272 J
0.28*	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.24 J</b>	--- U	--- U	
2000*	Tin (assessment)					ND	1.5 J	0.5 J	0.23 J	0.26 J	0.15 J	0.13 J	0.24 J
0.3*	Vanadium	<b>1.7</b>	ND	<b>1.5</b>	<b>2.7</b>	<b>2.3</b>	<b>2 J</b>	<b>2.6 J</b>	<b>1.4 J</b>	<b>3 J</b>	<b>1.4 J</b>	<b>1.8 J</b>	
1000	Zinc	8	1.6	3.3	5.9	1.3	2.3 J	3.4 J	3.6 J	2.7 J	0.72 J	7.6 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	3.3	5.6	4.5	2.1	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	1	<b>1.1</b>	<b>2.1</b>	<b>1.5</b>	<b>1.3</b>	<b>3.1</b>	<b>2.1</b>	1	<b>1.1</b>	1	<b>1.2</b>	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.1	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	0.7	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	ND	ND	0.5	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	0.4	0.4	<b>0.7</b>	<b>0.5</b>	0.4	<b>0.5</b>	0.3 J	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	0.2	0.2	1.3	0.2	0.3	0.5 J	0.3 J	0.3 J	ND	--- U	--- U	
600	Ethylbenzene	0.4	0.3	0.3	0.2	ND	0.7 J	0.3 J	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	0.3	0.2	ND	0.2	ND	ND	ND	ND	ND	--- U	0.8 J	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	0.2	0.3	0.4	0.2	ND	ND	ND	ND	ND	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	<b>0.4</b>	ND	<b>0.5</b>	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								2.50	6.70	4.40	4.60	5.60
7*	Dinoseb					ND	ND	ND	0.821 J	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	--- U	--- U	--- U
50	2,4,5-TP (Silvex)					ND	0.738 J	ND	ND	ND	--- U	--- U	--- U

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C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3d											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/16/2013
1*	Antimony	ND	0.1	ND	ND	ND	NS	NS	NS	ND	NS	0.17 J	
10	Arsenic	0.6	7.3	0.2	0.5	0.3	NS	NS	NS	0.36 J	NS	0.33 J	
700	Barium	4.6	394	5	5.3	4.9	NS	NS	NS	7.6 J	NS	7.0 J	
4*	Beryllium	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
2	Cadmium	0.5	0.1	ND	0.1	0.2	NS	NS	NS	0.24 J	NS	--- U	
10	Chromium	ND	1.5	ND	ND	ND	NS	NS	NS	0.15 J	NS	--- U	
1*	Cobalt	ND	<b>13</b>	0.1	0.1	0.1	NS	NS	NS	0.05 J	NS	0.03 J	
1000	Copper	1.3	1.3	1.3	0.7	1	NS	NS	NS	0.52 J	NS	1.3 J	
70	Cyanide (assasment)												
15	Lead	0.1	0.1	0.1	ND	ND	NS	NS	NS	0.08 J	NS	--- U	
1	Mercury (assasment)											0.03 J	0.05 J
100	Nickel	1.6	7.4	0.6	0.4	0.6	NS	NS	NS	0.71 J	NS	0.88 J	
20	Selenium	ND	ND	0.3	0.3	ND	NS	NS	NS	ND	NS	0.52 J	
20	Silver	ND	0.1	0.1	ND	0.1	NS	NS	NS	ND	NS	--- U	
NE	Sulfide (assasment)											--- U	ND
0.28*	Thallium	ND	0.1	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
2000*	Tin (assasment)											0.17 J	0.17 J
0.3*	Vanadium	<b>0.7</b>	<b>1.1</b>	0.1	<b>1</b>	<b>0.4</b>	NS	NS	NS	<b>0.4 J</b>	NS	--- U	
1000	Zinc	3.6	2.6	3.3	1.6	0.5	NS	NS	NS	1.7 J	NS	2.5 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	3.5	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
1	Benzene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	1	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
4	Bromoform	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	0.2	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
3	Chloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
600	Toluene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	
NE	Tetrahydrofuran								NS	ND	NS	---U	U
7*	Dinoseb					ND	NS	NS	NS	ND	NS	---U	U
70	2,4-D					ND	NS	NS	NS	ND	NS	---U	U
NE	2,4,5-T					ND	NS	NS	NS	ND	NS	---U	U
50	2,4,5-TP (Silvex)					ND	NS	NS	NS	ND	NS	---U	U

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
ND = Not Detected above the Laboratory Reporting Limit  
NE = Not Established NS = Not sampled  
U = not detected above the laboratory method detection limit  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3A (Assessment)											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony					ND	ND	ND	ND	ND	0.10 J	0.5 J	
10	Arsenic					2.6	1 J	5.4 J	0.93 J	2.2 J	2.8 J	5.8 J	
700	Barium					84.2	42.7 J	100	36 J	70.7 J	86.6 J	120	
4*	Beryllium					0.1	ND	0.1 J	ND	ND	--- U	--- U	
2	Cadmium					0.2	0.1 J	0.1 J	0.1 J	0.36 J	0.08 J	0.34 J	
10	Chromium					ND	0.1 J	0.3 J	0.3 J	0.67 J	1.5 J	2.3 J	
1*	Cobalt					<b>15</b>	<b>3.8 J</b>	<b>17</b>	<b>7.7 J</b>	<b>15</b>	<b>25</b>	<b>28</b>	
1000	Copper					1.3	4 J	0.5 J	1.1 J	0.88 J	0.85 J	1.4 J	
70	Cyanide (assessment)					ND	ND	ND	ND	ND	--- U		
15	Lead					0.2	ND	0.2 J	0.15 J	0.17 J	0.25 J	0.35 J	
1	Mercury (assessment)					0.09	ND	ND	0.05 J	0.06 J	0.04 J	0.05 J	0.03 J
100	Nickel					2.6	1.5 J	6.4 J	1.6 J	3.6 J	4.8 J	8.8 J	
20	Selenium					2.7	1 J	8.8 J	1.1 J	2.3 J	4.3 J	11.00	
20	Silver					0.1	ND	ND	ND	ND	--- J	--- U	
NE	Sulfide (assessment)					ND	ND	ND	ND	ND	--- J	--- U	ND
0.28*	Thallium					0.1	ND	ND	ND	0.14 J	0.10 J	0.13 J	
2000*	Tin (assessment)					ND	3.9 J	0.6 J	0.32 J	0.47 J	0.24 J	0.28 J	0.20 J
0.3*	Vanadium					<b>2.1</b>	<b>0.8 J</b>	<b>1.6 J</b>	<b>0.69 J</b>	<b>0.88 J</b>	<b>2.0 J</b>	<b>1.6 J</b>	
1000	Zinc					3.1	2.9 J	4.1 J	3.2 J	4.7 J	5.7 J	8.4 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone					ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene					ND	ND	0.9 J	ND	0.6 J	0.60 J	0.70 J	
700	Carbon Disulfide					ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)					ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane					ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane					ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform					ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)					ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)					ND	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane					ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane					ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)					ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane					ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)					ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene					ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)					ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)					ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene					ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene					ND	ND	ND	ND	ND	--- U	--- U	
500	Total Xylenes					ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)					ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride					ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								ND	3.30	5.10	3.80	2.40
7*	Dinoseb					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	--- U	--- U	--- U
50	2,4,5-TP (Silvex)					ND	ND	ND	ND	ND	--- U	--- U	--- U

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
 2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
 \* - denotes groundwater standard based on other criteria  
 Laboratory results in bold exceed NCAC 2L Standard or SWSL  
 ND = Not Detected above the Laboratory Reporting Limit  
 NE = Not Established      NS = Not sampled  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-4											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony	ND	0.1	0.1	0.7	ND	ND	ND	ND	ND	0.15 J	0.14 J	
10	Arsenic	1.3	1	0.3	2.8	2.8	2.6 J	2.3 J	1.6 J	1.9 J	2.9 J	0.9 J	
700	Barium	207	203	196	266	165	202	141	174	183	278	151	
4*	Beryllium	0.8	0.4	0.2	0.9	1	0.8 J	0.7 J	0.57 J	0.65 J	0.50 J	0.47 J	
2	Cadmium	0.5	0.2	0.3	0.9	0.3	1.2	0.5 J	0.35 J	0.43 J	0.16 J	0.22 J	
10	Chromium	2.7	1.2	1	2.1	2.8	2.1 J	3.1 J	3 J	3.7 J	5.7 J	3.6 J	
1*	Cobalt	1	1	0.4	<b>1.3</b>	0.9	0.9 J	<b>1.1 J</b>	0.58 J	0.76 J	0.63 J	0.38 J	
1000	Copper	2.3	0.7	0.9	1.8	1.8	1.4 J	1.3 J	1.9 J	1.1 J	1.8 J	0.88 J	
70	Cyanide (assasment)												
15	Lead	7.2	4.8	3.4	11	14	6.3 J	6.4 J	4.8 J	7.3 J	7.6 J	3.1 J	
1	Mercury (assasment)												
100	Nickel	2.7	2.3	1.7	1.2	2.1	2 J	2.1 J	1.4 J	1.8 J	1.7 J	1.8 J	
20	Selenium	ND	0.9	ND	0.5	0.2	1.1 J	0.7 J	0.73 J	0.61 J	1.6 J	1.2 J	
20	Silver	ND	0.1	ND	0.1	0.1	0.1 J	ND	ND	ND	--- U	--- U	
NE	Sulfide (assasment)												
0.28*	Thallium	ND	0.1	ND	ND	0.1	0.1 J	0.1 J	0.03 J	0.05 J	--- U	--- U	
2000*	Tin (assasment)												
0.3*	Vanadium	<b>6.9</b>	<b>3.4</b>	<b>3.1</b>	<b>10</b>	<b>11.4</b>	<b>8.3 J</b>	<b>9.4 J</b>	<b>7.5 J</b>	<b>8.5 J</b>	<b>7.2 J</b>	<b>5.8 J</b>	
1000	Zinc	16	7.8	5.3	12	16	8.5 J	8.1 J	6.1 J	9.4 J	4.7 J	6.7 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	3.1	1.3	ND	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1.1	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	1.7	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								ND	ND	1.40	---U	
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
ND = Not Detected above the Laboratory Reporting Limit  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-5											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony	ND	0.5	0.1	0.2	0.5	ND	0.6	0.4 J	0.55 J	0.36 J	0.5 J	
10	Arsenic	5.3	5	2.1	1.3	5.8	3.9 J	ND	6.4 J	3.3 J	6.8 J	1.9 J	
700	Barium	115	101	48.3	117	83.8	92.1 J	129	80.5 J	150	122	117	
4*	Beryllium	0.1	0.1	0.1	0.5	1	0.5 J	1	0.92 J	0.24 J	0.50 J	0.13 J	
2	Cadmium	0.6	0.1	ND	0.3	0.6	0.3 J	2	0.64 J	0.69 J	0.22 J	0.12 J	
10	Chromium	0.4	1.2	1.1	0.7	2.7	2.3 J	11	6.2 J	9.5 J	6.1 J	5.2 J	
1*	Cobalt	2.3	1.7	0.5	1.2	1.6	2.8 J	7.8 J	1.5 J	1.6 J	1.7 J	1.1 J	
1000	Copper	1.6	0.9	3.3	2.6	1.6	1.1 J	3.9 J	4.4 J	7.1 J	3.4 J	4.2 J	
70	Cyanide (assasment)												
15	Lead	0.4	0.4	0.6	0.2	1.5	0.7 J	3.9 J	3 J	2.1 J	3.5 J	1.4 J	
1	Mercury (assasment)												
100	Nickel	9.1	4.3	3.4	2.5	4.8	7.1 J	16.8 J	5.5 J	6.9 J	4.7 J	5.4 J	
20	Selenium	2.3	2.5	1.2	1.5	5	7.3 J	ND	4.9 J	5.9 J	5.0 J	4.3 J	
20	Silver	ND	0.1	0.1	ND	0.1	0.1 J	0.1 J	ND	ND	--- U	--- U	
NE	Sulfide (assasment)												
0.28*	Thallium	ND	0.1	ND	ND	0.1	ND	0.5 J	0.7 J	0.16 J	--- U	--- U	
2000*	Tin (assasment)												
0.3*	Vanadium	1.6	1.2	1.8	1.6	5.1	2.3 J	3.2 J	4.3 J	2.4 J	5.6 J	2.0 J	
1000	Zinc	5.9	4.1	3.9	3.3	4.8	4.3 J	14	7.4 J	7.7 J	6.6 J	5.8 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	ND	1.5	ND	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	0.9	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	0.4	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	0.2	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								0.9 J	ND	1.70	---U	
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-6											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony	0.2	0.2	0.2	0.1	ND	ND	ND	ND	ND	0.17J	0.07 J	
10	Arsenic	<b>16</b>	5.3	<b>11</b>	2.9	6.4	6.1 J	4.8 J	2.2 J	2.4 J	2.2 J	2.4 J	
700	Barium	233	65	161	56.1	137	215	155	124	157	128	53.4 J	
4*	Beryllium	0.9	0.1	0.1	0.1	0.1	0.1 J	0.1 J	ND	0.06 J	--- U	0.09 J	
2	Cadmium	0.6	0.4	0.4	0.9	0.3	<b>2.2</b>	0.6 J	0.43 J	0.29 J	0.27 J	0.12 J	
10	Chromium	<b>13</b>	3.1	4.7	2.5	0.8	4.2 J	2 J	2.4 J	2.7 J	2.5 J	1.8 J	
1*	Cobalt	<b>6.3</b>	<b>1.7</b>	<b>4.4</b>	<b>1.1</b>	0.6	<b>5.4 J</b>	0.7 J	<b>1.4 J</b>	<b>1.1 J</b>	<b>1.3 J</b>	0.55 J	
1000	Copper	6.7	2.1	2.8	2.3	1.1	2.4 J	1.5 J	1.6 J	1.7 J	2.2 J	1.2 J	
70	Cyanide (assasment)												
15	Lead	5.9	0.5	0.4	0.3	0.5	0.2 J	0.3 J	0.18 J	0.24 J	0.39 J	0.55 J	
1	Mercury (assasment)												
100	Nickel	9.1	3.2	6.1	1	1.1	7.5 J	5.7 J	2 J	2.7 J	2.9 J	1.4 J	
20	Selenium	7.9	1.7	5.3	0.5	2	7.5 J	7.2 J	1.3 J	1.6 J	1.5 J	0.64 J	
20	Silver	ND	0.1	ND	ND	0.1	ND	0.1 J	ND	ND	--- U	--- U	
NE	Sulfide (assasment)												
0.28*	Thallium	0.2	0.2	0.1	ND	ND	ND	0.1 J	0.9 J	0.08 J	0.10 J	--- U	
2000*	Tin (assasment)												
0.3*	Vanadium	<b>17</b>	<b>4.6</b>	<b>4.2</b>	<b>7.5</b>	<b>11.6</b>	<b>5.8 J</b>	<b>4.4 J</b>	<b>3.9 J</b>	<b>3.3 J</b>	<b>3.0 J</b>	<b>4.7 J</b>	
1000	Zinc	20	3	3.6	2.5	3.9	3.3 J	4.5 J	1.8 J	3.3 J	0.91 J	4.9 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.7	4.5	2.7	ND	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	0.3	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								2.30	1.90	2.70	--- U	4.30J
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
ND = Not Detected above the Laboratory Reporting Limit  
NE = Not Established NS = Not sampled  
U = not detected above the laboratory method detection limit  
J = Estimated value above laboratory method detection limit and below SWSL

Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-7											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony	ND	0.2	0.1	ND	ND	ND	ND	ND	ND	0.16 J	0.15 J	
10	Arsenic	6.4	3.6	3.3	1	0.5	4.5 J	0.9 J	1.5 J	0.81 J	2.3 J	0.72 J	
700	Barium	136	31	103	31	29.1	266	34.3 J	174	67.4 J	294	100	
4*	Beryllium	0.1	0.1	0.1	0.1	ND	0.1 J	0.1 J	ND	0.06 J	--- U	---U	
2	Cadmium	0.4	0.4	0.4	0.8	0.2	2	0.4 J	0.4 J	0.38 J	0.12 J	0.16 J	
10	Chromium	1.3	1.1	1.1	0.5	ND	2.5 J	0.4 J	1.2 J	0.92 J	2.0 J	1.5 J	
1*	Cobalt	<b>17</b>	<b>2.6</b>	<b>2.8</b>	<b>2.3</b>	<b>1.1</b>	<b>9 J</b>	0.8 J	<b>4.2 J</b>	<b>1.2 J</b>	<b>3.6 J</b>	<b>1.3 J</b>	
1000	Copper	2.7	2	3	1.6	2.4	2.9 J	0.8 J	1.5 J	0.93 J	1.9 J	1.9 J	
70	Cyanide (assasment)												
15	Lead	0.3	0.7	0.3	0.1	0.1	0.1 J	0.2 J	0.12 J	0.29 J	0.33 J	0.20 J	
1	Mercury (assasment)												
100	Nickel	7.5	2	4.6	0.9	0.6	10.4 J	1.7 J	2.3 J	1.5 J	4.3 J	2.5 J	
20	Selenium	6	1.7	5.9	0.8	0.2	9.8 J	1.1 J	3 J	1.1 J	4.3 J	1.9 J	
20	Silver	ND	ND	0.1	ND	0.3	ND	0.1 J	ND	ND	--- U	--- U	
NE	Sulfide (assasment)												
0.28*	Thallium	ND	0.1	0.1	ND	ND	0.5 J	ND	0.24 J	0.08 J	0.26 J	0.29 J	
2000*	Tin (assasment)												
0.3*	Vanadium	<b>2.5</b>	<b>3.1</b>	<b>1.3</b>	<b>1.8</b>	<b>0.8</b>	<b>1.3 J</b>	<b>1.1 J</b>	<b>0.75 J</b>	<b>1.2 J</b>	<b>1.3 J</b>	<b>0.52 J</b>	
1000	Zinc	3.4	3.4	3	2.8	1.5	3.8 J	4.3 J	2.4 J	1.8 J	0.66 J	4.6 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	1.7	3.4	2.4	ND	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	ND	ND	0.2	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								4.50	ND	6.40	1.20	20.90
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
ND = Not Detected above the Laboratory Reporting Limit  
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U = not detected above the laboratory method detection limit  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-8 (Assessment)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/16/2013
1*	Antimony	ND	0.1	ND	ND	ND	ND	ND	ND	ND	0.13 J	0.16 J	
10	Arsenic	ND	4.5	2.7	1.6	4	7.5 J	4 J	3.2 J	2.7 J	5.8 J	8 J	
700	Barium	214	127	121	113	169	140	164	124	184	142	133	
4*	Beryllium	0.1	0.1	ND	ND	0.1	0.4 J	0.2 J	0.06 J	0.24 J	0.13 J	0.09 J	
2	Cadmium	0.3	0.1	0.1	0.2	0.2	0.2 J	0.3 J	0.06 J	0.13 J	0.06 J	0.04 J	
10	Chromium	1	1.1	0.4	0.1	ND	0.8 J	0.8 J	0.84 J	2.1 J	1.7 J	3.0 J	
1*	Cobalt	ND	<b>19</b>	<b>12</b>	<b>8.4</b>	<b>10</b>	<b>21</b>	<b>24</b>	<b>31</b>	<b>17</b>	<b>31</b>	<b>27</b>	
1000	Copper	1.6	0.9	0.8	0.6	0.7	1.1 J	0.8 J	1.3 J	0.69 J	1.1 J	1.4 J	
70	Cyanide (assessment)					ND	ND	ND	ND	ND	--- U		
15	Lead	0.3	0.2	0.2	0.1	0.4	0.4 J	0.4 J	0.13 J	1.2 J	0.20 J	0.19 J	
1	Mercury (assessment)					ND	ND	ND	0.08 J	ND	0.04 J		0.03 J
100	Nickel	5.3	7.8	4.7	3.3	5.1	9.2 J	9.1 J	5.2 J	5.4 J	7.2 J	8.6 J	
20	Selenium	4.7	5.9	3.5	2.2	3	4.4 J	4.7 J	3 J	1.9 J	4.5 J	6.9 J	
20	Silver	ND	ND	ND	ND	0.3	0.1 J	0.1 J	ND	ND	--- U	--- U	
NE	Sulfide (assessment)					ND	ND	ND	ND	ND	--- U	--- U	0.01 J
0.28*	Thallium	ND	ND	ND	ND	ND	0.1 J	ND	ND	ND	--- U	--- U	
2000*	Tin (assessment)					ND	0.4 J	0.5 J	0.95 J	0.24 J	--- U	0.92 J	0.76 J
0.3*	Vanadium	<b>1.4</b>	<b>1</b>	<b>0.8</b>	<b>1.3</b>	<b>0.9</b>	<b>1.6 J</b>	<b>1.9 J</b>	<b>0.76 J</b>	<b>4.1 J</b>	<b>1.3 J</b>	<b>1.2 J</b>	
1000	Zinc	5.1	2.7	1.7	3.2	3.1	6.3 J	5.4 J	5.4 J	5.3 J	3.2 J	5.5 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.3	4.5	2.8	ND	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	0.7	0.5	0.5	0.3	ND	ND	ND	0.4 J	0.4 J	<b>1.1</b>	<b>1.6</b>	
700	Carbon Disulfide	ND	ND	ND	0.2	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.1	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	0.2	0.2	0.2	ND	ND	ND	ND	0.4 J	ND	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	0.2	0.2	0.2	0.2	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								--- U	3.90	5.20	5.50	5.40 J
7*	Dinoseb					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	0.86 J	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	0.77 J	--- U	0.12 J
50	2,4,5-TP (Silvex)					ND	ND	ND	ND	ND	--- U	--- U	--- U

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-1 (Background)											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony	NS	0.2	ND	0.1	0.1	ND	ND	ND	ND	0.13J	--- U	
10	Arsenic	NS	<b>11</b>	ND	6.3	3.9	0.9 J	2 J	3.1 J	2 J	4.7 J	0.93 J	
700	Barium	NS	174	ND	181	89.2	33.3 J	49.8 J	70.8 J	48.7 J	78.8 J	38 J	
4*	Beryllium	NS	0.7	ND	0.6	0.5	0.1 J	0.1 J	0.12 J	ND	0.19 J	--- U	
2	Cadmium	NS	0.4	ND	0.7	1.9	0.2 J	0.1 J	0.22 J	ND	0.17 J	0.07 J	
10	Chromium	NS	8	ND	5.1	2.1	0.4 J	0.5 J	1.8 J	0.74 J	2.6 J	0.54 J	
1*	Cobalt	NS	<b>1.2</b>	ND	<b>1</b>	0.6	0.3 J	0.4 J	0.84 J	0.5 J	0.89 J	0.42 J	
1000	Copper	NS	5.5	ND	4.9	2.7	0.4 J	0.3 J	1.7 J	0.17 J	2.3 J	2.1 J	
70	Cyanide (assasment)												
15	Lead	NS	<b>25</b>	ND	<b>23</b>	8	0.9 J	1 J	4.3 J	0.95 J	7.0 J	0.45 J	
1	Mercury (assasment)												
100	Nickel	NS	3.5	ND	1.9	1.3	0.4 J	0.7 J	1.3 J	0.88 J	3.8 J	0.46 J	
20	Selenium	NS	1.3	ND	0.8	ND	ND	ND	0.3 J	0.2 J	0.41 J	0.17 J	
20	Silver	NS	0.1	ND	0.1	0.2	ND	ND	ND	ND	--- U	--- U	
NE	Sulfide (assasment)												
0.28*	Thallium	NS	0.2	ND	ND	0.1	ND	ND	0.05 J	ND	--- U	--- U	
2000*	Tin (assasment)												
0.3*	Vanadium	NS	<b>40</b>	ND	<b>30</b>	<b>18.9</b>	<b>2 J</b>	<b>3.1 J</b>	<b>6.8 J</b>	<b>2.2 J</b>	<b>9.5 J</b>	<b>1.5 J</b>	
1000	Zinc	NS	43	ND	21	15	2.3 J	5.6 J	9.6 J	1.9 J	6.4 J	4.8 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	4.5	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	NS	1.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	NS	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	NS	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.5 J	--- U	
500	Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran	NS							ND	ND	--- U	--- U	U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-2											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony	ND	ND	0.6	ND	0.1	ND	ND	0.2 J	ND	0.09 J	0.10 J	
10	Arsenic	2	1.1	5.3	1.4	0.3	1.3 J	1.1 J	0.82 J	2.5 J	2.0 J	0.60 J	
700	Barium	126	71.2	268	61.6	71.3	79.4 J	59.1 J	71.6 J	69.4 J	84.8	49.1 J	
4*	Beryllium	ND	0.1	0.4	ND	ND	0.1 J	0.1 J	0.06 J	0.06 J	--- U	--- U	
2	Cadmium	0.1	0.1	0.3	ND	1.2	0.1 J	0.1 J	0.11 J	ND	--- U	0.03 J	
10	Chromium	1.5	1.1	5	0.5	0.7	0.9 J	0.5 J	0.58 J	1.2 J	1.4 J	0.545 J	
1*	Cobalt	0.8	0.8	1.9	0.4	0.3	0.6 J	0.5 J	1.5 J	0.75 J	0.79 J	0.31 J	
1000	Copper	1.9	0.8	5.6	1.5	0.8	0.4 J	0.1 J	0.94 J	0.46 J	1.2 J	0.36 J	
70	Cyanide (assasment)												
15	Lead	1.6	0.7	14	0.5	0.3	0.5 J	0.1 J	0.5 J	0.79 J	2.1 J	0.43 J	
1	Mercury (assasment)												
100	Nickel	2.9	1.4	4.2	0.2	0.9	1.2 J	1.6 J	1.8 J	0.99 J	2.9 J	0.46 J	
20	Selenium	2.2	0.9	3	ND	ND	0.7 J	0.6 J	0.22 J	0.29 J	0.57 J	0.30 J	
20	Silver	ND	ND	0.1	0.1	0.1	0.1 J	ND	ND	ND	--- U	--- U	
NE	Sulfide (assasment)												
0.28*	Thallium	ND	ND	0.1	ND	0.1	ND	ND	ND	ND	--- U	--- U	
2000*	Tin (assasment)												
0.3*	Vanadium	2	1.4	9.2	2.3	0.8	1.5 J	1.1 J	0.86 J	3.4 J	2.5 J	0.83 J	
1000	Zinc	24	7.8	96	4.8	8.1	5.3 J	6.8 J	12	8.2 J	18	6.5 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.3	5.5	3.7	1.3	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.7	1.2	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	ND	0.3	0.2	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	0.4 J	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								ND	ND	--- U	--- U	
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
ND = Not Detected above the Laboratory Reporting Limit  
NE = Not Established NS = Not sampled  
U = not detected above the laboratory method detection limit  
J = Estimated value above laboratory method detection limit and below SWSL

Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-3											
		Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012
1*	Antimony	ND	ND	0.1	ND	0.6	ND	ND	ND	ND	0.05 J	--- U	
10	Arsenic	0.5	0.1	0.9	0.8	ND	0.4 J	0.6 J	1.1 J	0.99 J	1.0 J	0.50 J	
700	Barium	571	63	75.1	78.7	76.1	69.2 J	75.5 J	77.8 J	73.3 J	60.8 J	74.1 J	
4*	Beryllium	0.1	0.1	0.1	0.1	0.2	0.1 J	0.1 J	ND	0.09 J	--- U	--- U	
2	Cadmium	0.2	0.1	ND	ND	0.3	0.1 J	0.1 J	0.29 J	0.14 J	--- U	0.04 J	
10	Chromium	ND	0.4	0.3	0.5	0.4	0.4 J	0.2 J	0.99 J	0.63 J	0.38 J	0.18 J	
1*	Cobalt	0.7	1	5.1	1.3	1.2	0.6 J	1 J	0.42 J	1.3 J	0.76 J	0.89 J	
1000	Copper	0.6	0.6	1.1	0.4	0.8	0.3 J	0.1 J	1.1 J	0.3 J	0.34 J	0.58 J	
70	Cyanide (assasment)												
15	Lead	0.2	0.3	0.9	0.2	0.6	0.6 J	0.5 J	0.28 J	1.1 J	0.46 J	0.11 J	
1	Mercury (assasment)												
100	Nickel	0.7	0.8	1.3	0.4	0.8	0.8 J	0.8 J	1.1 J	0.76 J	5.0 J	0.78 J	
20	Selenium	ND	0.2	0.3	ND	ND	ND	0.64 J	0.21 J	--- U	--- U	0.26 J	
20	Silver	ND	0.1	0.1	ND	0.2	ND	ND	0.04 J	ND	--- U	--- U	
NE	Sulfide (assasment)												
0.28*	Thallium	ND	ND	ND	ND	0.1	ND	ND	ND	0.12 J	--- U	--- U	
2000*	Tin (assasment)												
0.3*	Vanadium	0.7	0.8	1.2	1.9	0.9	1.4 J	0.9 J	0.93 J	1.1 J	1.0 J	0.67 J	
1000	Zinc	71	19	36	18	14	11	17	5.8 J	16	6.0 J	8.2 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.2	3.8	5.3	ND	ND	ND	ND	ND	ND	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1.6	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
600	Toluene	ND	ND	0.2	ND	ND	ND	ND	ND	0.4 J	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								0.6 J	ND	--- U	--- U	U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
ND = Not Detected above the Laboratory Reporting Limit  
NE = Not Established NS = Not sampled  
U = not detected above the laboratory method detection limit  
J = Estimated value above laboratory method detection limit and below SWSL

DATE	NO.	REVISION
3-8-2011	1	CORRECTED GAS PROBE DIMENSION
5-18-09	0	ISSUED FOR REGULATORY REVIEW

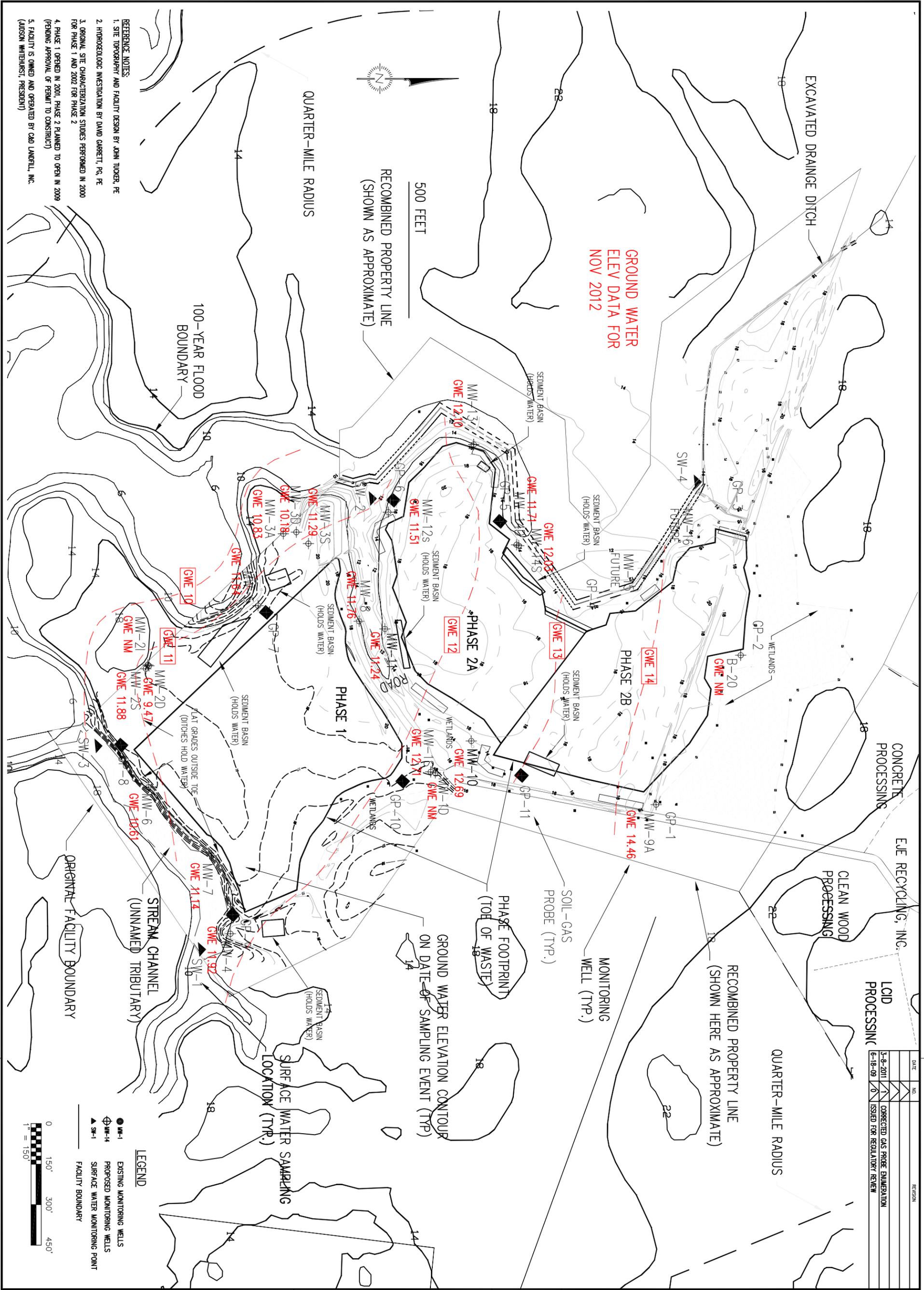
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PROJECT TITLE:  
**C&D LANDFILL, INC.**  
**GROUND WATER MONITORING**  
**PITT COUNTY, NC**  
**PERMIT #74-07**

DRAWING TITLE:  
**POTENTIOMETRIC CONTOURS**  
**FOR PHASES 1 AND 2**  
**OBSERVED NOV 27, 2012**

DESIGNED BY: G.D.G.  
 CHECKED BY: G.D.G.  
 SCALE: AS SHOWN  
 DATE: JUNE 2009  
 TITLE: C&D LANDFILL ASSESSMENT  
 SHEET NO. 1  
 DRAWING NO. MP1



- REFERENCE NOTES:
1. SITE TOPOGRAPHY AND FACILITY DESIGN BY JOHN TUCKER, PE
  2. HYDROGEOLOGIC INVESTIGATION BY DAVID GARRETT, PG, PE
  3. ORIGINAL SITE CHARACTERIZATION STUDIES PERFORMED IN 2000 FOR PHASE 1 AND 2002 FOR PHASE 2
  4. PHASE 1 OPENED IN 2001, PHASE 2 PLANNED TO OPEN IN 2009 (PENDING APPROVAL OF PERMIT TO CONSTRUCT)
  5. FACILITY IS OWNED AND OPERATED BY C&D LANDFILL, INC. (AUGUST WHITENSKI, PRESIDENT)

Table 1  
Monitoring Well and Groundwater Data  
Water Quality Monitoring  
Nov 27, 2012  
Phase 2 - C&D Landfill, Inc.  
Greenville, Pitt County, North Carolina  
Permit # 74-07

Well Identity	Depth to Groundwater (Feet BTOC)	Elevation Top of PVC Well Casing (Feet MSL)	Groundwater Elevation (Feet MSL)	Field Parameters			
				Temp. C°	pH	S.C. umhos/cm	Turbidity (ntu)
MW-9A	5.98	20.58	14.60	18.0	7.4	363	NM
MW-10	3.93	16.61	12.68	17.0	6.7	877	NM
MW-11	3.55	14.49	10.94	17.0	6.6	706	NM
MW-12s	5.48	16.18	10.70	17.0	6.5	1678	NM
MW-13	9.18	20.69	11.51	19.0	5.9	361	NM
MW-14s	5.11	16.60	11.49	18.0	5.5	324	NM
MW-14d	5.6	17.45	11.85	19	7.9	497	NM

Notes: BGS = Below Ground Surface

NM = Not Measured  
S.C. = Specific Conductance  
ntu = Nephelometric Turbidity Units

Table 2  
 Summarized Laboratory Analytical Results for Groundwater Samples  
 C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
 Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-9A (Background)									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.4 J	ND	ND	ND	ND	0.03 J	0.06 J		
10	Arsenic	ND	1.3 J	0.3 J	0.6 J	0.6 J	0.5 J	0.50 J	0.17 J		
700	Barium	112 B	55.4 J	29.4 J	32.9 J	50.7 J	43.6 J	48.9 J	36.5 J		
4*	Beryllium	ND	0.2 J	ND	ND	ND	ND	--- U	--- U		
2	Cadmium	0.16 J	0.1 J	0.2 J	0.1 J	0.05 J	0.08 J	0.14 J	0.04 J		
10	Chromium	3 JB	2.7 J	0.3 J	ND	0.17 J	0.23 J	--- U	--- U		
1*	Cobalt	ND	0.7 J	0.2 J	0.2 J	0.09 J	0.11 J	0.06 J	0.08 J		
1000	Copper	2.13 J	1.3 J	0.1 J	ND	0.29 J	0.05 J	0.11 J	0.5 J		
70	Cyanide (assassment)										
15	Lead	ND	1.8 J	0.1 J	ND	0.16 J	0.16 J	--- U	0.12 J		
1	Mercury (assassment)										
100	Nickel	ND	2.5 J	2.0 J	1.8 J	0.77 J	0.78 J	0.23 J	1.3 J		
20	Selenium	6.61 J	ND	ND	ND	ND	ND	--- U	0.21 J		
20	Silver	7.15 JB	0.1 J	ND	ND	ND	ND	--- U	--- U		
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	ND	0.08 J	--- U	--- U		
2000*	Tin (assassment)										
0.3*	Vanadium	ND	<b>4.9 J</b>	<b>0.6 J</b>	<b>0.9 J</b>	<b>1.2 J</b>	<b>1.3 J</b>	<b>0.96 J</b>	0.25 J		
1000	Zinc	1.66 JB	7.5 J	1.5 J	2.6 J	3.2 J	2.3 J	0.66 J	4.4 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Bromochloromethane	<b>0.48 J</b>	ND	ND	ND	ND	ND	--- U	--- U		
0.6	Bromodichloromethane	<b>0.97 J</b>	ND	ND	ND	ND	ND	--- U	--- U		
4	Bromoform	3.48	ND	ND	ND	ND	ND	--- U	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Chloroform (Trichloromethane)	0.640 J	ND	ND	ND	ND	ND	--- U	--- U		
3	Chloromethane	0.330 J	ND	ND	ND	ND	ND	--- U	--- U		
0.4	Dibromochloromethane	<b>2.80 J</b>	ND	ND	ND	ND	ND	--- U	--- U		
70	Dibromomethane (Methylene Dibromide)	1.13 J	ND	ND	ND	ND	ND	--- U	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Ethylbenzene	0.950 J	ND	ND	ND	ND	ND	--- U	--- U		
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U		
500	Total Xylenes	2.77 J	ND	ND	ND	ND	ND	--- U	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U	--- U		
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
 2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
 \* - denotes groundwater standard based on other criteria  
 Laboratory results in bold exceed NCAC 2L Standard or SWSL  
 ND = Not Detected above the Laboratory Reporting Limit  
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 U = not detected above the laboratory method detection limit  
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Table 2  
 Summarized Laboratory Analytical Results for Groundwater Samples  
 C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
 Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-10									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	ND	ND	ND	ND	0.04 J	0.09 J		
10	Arsenic	ND	0.5 J	0.5 J	1.1 J	0.52 J	2.5 J	1.1 J	1.5 J		
700	Barium	76.1 JB	113	129	63.2 J	89.2 J	43.6 J	87.5 J	132		
4*	Beryllium	ND	0.2 J	0.1 J	0.1 J	0.29 J	0.16 J	0.09 J	0.08 J		
2	Cadmium	0.17 J	ND	1.00	0.1 J	0.8 J	0.08 J	0.05 J	0.08 J		
10	Chromium	3 JB	0.9 J	0.6 J	0.1 J	0.83 J	0.86 J	0.05 J	0.8 J		
1*	Cobalt	ND	0.3 J	0.2 J	0.3 J	2.2 J	0.26 J	0.45 J	0.86 J		
1000	Copper	2.34 J	1.0 J	0.6 J	ND	1.7 J	0.18 J	0.37 J	0.64 J		
70	Cyanide (assassment)										
15	Lead	ND	1.4 J	2.0 J	1.1 J	1.2 J	1.9 J	0.74 J	0.43 J		
1	Mercury (assassment)										
100	Nickel	ND	0.8 J	1.5 J	4.1 J	1.1 J	1.3 J	2.3 J	1.6 J		
20	Selenium	ND	0.2 J	0.6 J	ND	1.1 J	0.62 J	0.93 J	2.1 J		
20	Silver	6.95 JB	0.1 J	ND	ND	ND	ND	--- U	--- U		
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.05 J	0.05 J	--- U	--- U		
2000*	Tin (assassment)										
0.3*	Vanadium	ND	<b>4.5 J</b>	<b>3.2 J</b>	<b>1.9 J</b>	<b>3.1 J</b>	<b>9.2 J</b>	<b>5.9 J</b>	<b>4.1 J</b>		
1000	Zinc	ND	2.6 J	4.0 J	2.1 J	3.5 J	1.7 J	--- U	3.1 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846.8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Chloroform (Trichloromethane)	ND	0.40 J	ND	ND	ND	ND	--- U	--- U		
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U	--- U		
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
 2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
 \* - denotes groundwater standard based on other criteria  
 Laboratory results in bold exceed NCAC 2L Standard or SWSL  
 ND = Not Detected above the Laboratory Reporting Limit  
 NE = Not Established      NS = Not sampled  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-11									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	0.7 J	ND	ND	ND	0.06 J	0.08 J		
10	Arsenic	ND	ND	ND	0.6 J	ND	0.23 J	0.41 J	0.82 J		
700	Barium	39.8 JB	23.4 J	14.2 J	31.4 J	19.2 J	17.3 J	23.9 J	19.3 J		
4*	Beryllium	ND	0.3 J	0.1 J	0.2 J	0.31 J	0.10 J	0.08 J	0.29 J		
2	Cadmium	0.3 J	0.2 J	0.1 J	0.2 J	0.17 J	0.13 J	0.22 J	0.64 J		
10	Chromium	3.09 JB	ND	0.3 J	0.1 J	0.23 J	ND	0.05 J	0.25 J		
1*	Cobalt	ND	0.5 J	0.3 J	0.3 J	0.26 J	0.2 J	0.22 J	0.53 J		
1000	Copper	2.44 J	0.8 J	0.2 J	ND	0.67 J	0.09 J	0.50 J	0.7 J		
70	Cyanide (assassment)										
15	Lead	ND	0.2 J	0.2 J	0.2 J	0.1 J	0.12 J	0.09 J	0.49 J		
1	Mercury (assassment)										
100	Nickel	2.75 J	2.2 J	1.8 J	1.6 J	1.2 J	1.2 J	3.4 J	2.3 J		
20	Selenium	4.22 J	ND	ND	ND	ND	ND	0.72 J	1.1 J		
20	Silver	6.92 JB	ND	0.1 J	ND	ND	ND	--- U	--- U		
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	ND	0.12 J	--- U	--- U		
2000*	Tin (assassment)										
0.3*	Vanadium	ND	<b>1.3 J</b>	<b>1.0 J</b>	<b>0.6 J</b>	<b>0.54 J</b>	<b>0.55 J</b>	<b>0.78 J</b>	<b>0.44 J</b>		
1000	Zinc	ND	2.9 J	2.0 J	3.2 J	2.1 J	1.9 J	1.7 J	6.4 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846.8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Chloroform (Trichloromethane)	ND	0.60 J	ND	ND	ND	ND	--- U	--- U		
3	Chloromethane	0.290 J	ND	ND	ND	ND	ND	--- U	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	18.40	6.20		
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
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Table 2  
 Summarized Laboratory Analytical Results for Groundwater Samples  
 C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
 Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-12s									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012		
1*	Antimony	ND	ND	ND	0.8 J	0.47 J	0.51 J	0.24 J	0.3 J		
10	Arsenic	ND	ND	0.4 J	5.3 J	5.9 J	11	<b>24</b>	<b>15</b>		
700	Barium	56.6 JB	98.5 J	39.2 J	177.0	346.0	467.0	291.0	504.0		
4*	Beryllium	ND	ND	0.1 J	0.1 J	ND	ND	--- U	--- U		
2	Cadmium	ND	0.2 J	0.2 J	0.1 J	0.1 J	0.06	0.05 J	0.13 J		
10	Chromium	2.48 JB	ND	0.6 J	1.7 J	2.6 J	14	6.5 J	16		
1*	Cobalt	ND	0.2 J	0.2 J	0.8 J	<b>1.5 J</b>	0.84 J	0.72 J	<b>1.1 J</b>		
1000	Copper	1.86 J	0.7 J	0.3 J	1.1 J	1.5 J	0.53 J	0.87 J	0.91 J		
70	Cyanide (assassment)										
15	Lead	ND	0.4 J	1.1 J	1.9 J	0.83 J	0.64 J	0.90 J	0.65 J		
1	Mercury (assassment)										
100	Nickel	2.43 J	0.9 J	0.9 J	4.1 J	6.8 J	7.6 J	5.6 J	7.3 J		
20	Selenium	ND	0.2 J	ND	1.3 J	1.7 J	2.5 J	3.7 J	4.1 J		
20	Silver	6.87 JB	0.1 J	ND	0.1 J	ND	ND	--- U	--- U		
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.08 J	0.04 J	--- U	--- U		
2000*	Tin (assassment)										
0.3*	Vanadium	<b>1.42</b>	<b>2.4 J</b>	<b>3.7 J</b>	<b>4.4 J</b>	<b>2.9 J</b>	<b>4.8 J</b>	<b>6.9 J</b>	<b>6.4 J</b>		
1000	Zinc	ND	2.8 J	1.1 J	3.1 J	3.5 J	1.8 J	--- U	4.1 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U		
1	Benzene	ND	ND	ND	ND	ND	0.3 J	<b>1.20</b>	0.7 J		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	8.9	ND	ND	--- U	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	1.10 J	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U		
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	0.6 J	0.4 J	<b>1.10</b>	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	0.6 J	1.2 J	8.50	4.10 J		
600	Ethylbenzene	ND	ND	ND	2	ND	0.6 J	2.10	1.5		
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	11.2	0.9 J	ND	--- U	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	78.9	ND	ND	--- U	--- U		
0.7	Tetrachloroethene	ND	ND	ND	0.2	0.2 J	ND	--- U	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	0.60 J	--- U		
500	Total Xylenes	ND	ND	ND	11.7	ND	ND	3.30 J	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	0.7 J	ND	0.40 J	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	<b>0.80 J</b>	<b>1.90</b>		
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	4.2	2.50	10.90		
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-13									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	ND	ND	ND	ND	0.10 J	0.1 J		
10	Arsenic	ND	2.4 J	1.4 J	1.8 J	0.29 J	0.52 J	0.62 J	0.76 J		
700	Barium	44.1 JB	82.8 J	86.7 J	106.0	92.3 J	67.8 J	74.2 J	76.6 J		
4*	Beryllium	ND	0.3 J	0.3 J	0.3 J	0.12 J	0.14 J	0.12 J	0.13 J		
2	Cadmium	0.16 J	0.2 J	0.4 J	0.2 J	0.16 J	0.13 J	0.18 J	0.12 J		
10	Chromium	1.77 JB	0.7 J	0.8 J	0.9 J	0.51 J	0.57 J	0.61 J	0.68 J		
1*	Cobalt	ND	<b>1.3 J</b>	0.9 J	1.0 J	<b>1.2 J</b>	0.6 J	<b>1.5 J</b>	0.46 J		
1000	Copper	1.33 J	1.2 J	0.5 J	0.8 J	2.1 J	0.82 J	0.77 J	1.0 J		
70	Cyanide (assassment)										
15	Lead	ND	3.2 J	1.8 J	3.1 J	0.8 J	0.93 J	1.0 J	1.5 J		
1	Mercury (assassment)										
100	Nickel	2.44 J	1.6 J	1.7 J	2.2 J	2.1 J	1.3 J	3.4 J	1.7 J		
20	Selenium	ND	0.5 J	ND	0.8 J	0.38 J	0.78 J	0.64 J	1.0 J		
20	Silver	6.91 JB	0.1 J	ND	ND	ND	ND	--- U	--- U		
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.04 J	0.07 J	--- U	--- U		
2000*	Tin (assassment)										
0.3*	Vanadium	ND	<b>4.9 J</b>	<b>2.4 J</b>	<b>3.6 J</b>	<b>1.0 J</b>	<b>1.4 J</b>	<b>2.2 J</b>	<b>3.0 J</b>		
1000	Zinc	4.63 JB	8.5 J	7.5 J	8.5 J	32.0	3.2 J	8.1 J	3.3 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846.8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U		
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U	--- U		
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-14s									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.2 J	ND	ND	ND	ND	0.34 J	0.14 J		
10	Arsenic	ND	1.3 J	ND	1.6 J	1.5 J	1.7 J	4.0 J	3.7 J		
700	Barium	111 B	100	107	177	127	223	105	74.7 J		
4*	Beryllium	ND	0.6 J	0.1 J	0.2 J	0.2 J	0.29 J	2.00	0.39 J		
2	Cadmium	0.23 J	0.2 J	0.1 J	0.3 J	0.12 J	0.29 J	0.18 J	0.36 J		
10	Chromium	2.83 JB	2.6 J	0.5 J	0.5 J	0.48 J	1.3 J	2.0 J	1.2 J		
1*	Cobalt	ND	0.4 J	0.2 J	0.3 J	0.18 J	0.42 J	<b>3.4 J</b>	1.6 J		
1000	Copper	1.34 J	2.4 J	0.1 J	0.1 J	0.81 J	0.59 J	1.9 J	0.57 J		
70	Cyanide (assassment)										
15	Lead	ND	21	1.5 J	2.2 J	4.4 J	3.2 J	11	7.9 J		
1	Mercury (assassment)										
100	Nickel	ND	1.0 J	1.1 J	1.9 J	0.86 J	2 J	5.2 J	1.9 J		
20	Selenium	ND	0.4 J	ND	ND	0.44 J	0.33 J	1.4 J	0.94 J		
20	Silver	7.19 JB	0.1 J	ND	ND	ND	ND	--- U	--- U		
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.04 J	0.05 J	--- U	--- U		
2000*	Tin (assassment)										
0.3*	Vanadium	ND	<b>35</b>	<b>3.3 J</b>	<b>8.5 J</b>	<b>11.8 J</b>	<b>8.4 J</b>	<b>31</b>	<b>22.7 J</b>		
1000	Zinc	1.48 JB	4.7 J	1.2 J	2.6 J	2.6 J	4.7 J	6.2 J	4.6 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846.8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U		
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U	--- U		
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U		
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	0.9 J	14.00	0.70 J		
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
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Table 2  
Summarized Laboratory Analytical Results for Groundwater Samples  
C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-14d									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.1 J	NS	NS	NS	ND	NS	0.09 J		
10	Arsenic	ND	0.2 J	NS	NS	NS	0.32 J	NS	0.24 J		
700	Barium	13.9 JB	13.1 J	NS	NS	NS	9.9 J	NS	11.2 J		
4*	Beryllium	ND	ND	NS	NS	NS	ND	NS	--- U		
2	Cadmium	0.4 J	1.0	NS	NS	NS	0.43 J	NS	0.43 J		
10	Chromium	4.24 JB	1.8 J	NS	NS	NS	ND	NS	0.4 J		
1*	Cobalt	ND	0.2 J	NS	NS	NS	0.08 J	NS	0.10 J		
1000	Copper	ND	2.4 J	NS	NS	NS	0.66 J	NS	1.2 J		
70	Cyanide (assassment)			NS	NS	NS		NS			
15	Lead	ND	1.2 J	NS	NS	NS	0.17 J	NS	0.22 J		
1	Mercury (assassment)			NS	NS	NS		NS			
100	Nickel	ND	2.14 J	NS	NS	NS	1.4 J	NS	1.7 J		
20	Selenium	ND	ND	NS	NS	NS	ND	NS	0.23 J		
20	Silver	6.77 JB	0.1 J	NS	NS	NS	ND	NS	--- U		
NE	Sulfide (assassment)			NS	NS	NS		NS			
0.28*	Thallium	ND	ND	NS	NS	NS	ND	NS	--- U		
2000*	Tin (assassment)			NS	NS	NS		NS			
0.3*	Vanadium	ND	<b>1.4 J</b>	NS	NS	NS	0.3 J	NS	<b>0.41 J</b>		
1000	Zinc	ND	21.0	NS	NS	NS	3.2 J	NS	6.1 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846.8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	NS	NS	NS	ND	NS	--- U		
1	Benzene	ND	ND	NS	NS	NS	ND	NS	--- U		
700	Carbon Disulfide	ND	ND	NS	NS	NS	ND	NS	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	NS	NS	NS	ND	NS	--- U		
NE	Bromochloromethane	ND	ND	NS	NS	NS	ND	NS	--- U		
0.6	Bromodichloromethane	ND	ND	NS	NS	NS	ND	NS	--- U		
4	Bromoform	ND	ND	NS	NS	NS	ND	NS	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	NS	NS	NS	ND	NS	--- U		
70	Chloroform (Trichloromethane)	ND	ND	NS	NS	NS	ND	NS	--- U		
3	Chloromethane	0.210 J	ND	NS	NS	NS	ND	NS	--- U		
0.4	Dibromochloromethane	ND	ND	NS	NS	NS	ND	NS	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	NS	NS	NS	ND	NS	--- U		
0.4	1,2-Dichloroethane	ND	ND	NS	NS	NS	ND	NS	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	NS	NS	NS	ND	NS	--- U		
600	Ethylbenzene	ND	ND	NS	NS	NS	ND	NS	--- U		
5	Methylene Chloride (Dichloromethane)	ND	ND	NS	NS	NS	ND	NS	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	NS	NS	NS	ND	NS	--- U		
0.7	Tetrachloroethene	ND	ND	NS	NS	NS	ND	NS	--- U		
600	Toluene	ND	ND	NS	NS	NS	ND	NS	--- U		
500	Total Xylenes	ND	ND	NS	NS	NS	ND	NS	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	NS	NS	NS	ND	NS	--- U		
0.03	Vinyl Chloride	ND	ND	NS	NS	NS	ND	NS	--- U		
NE	Tetrahydrofuran	NA	NA	NS	NS	NS	ND	NS	--- U		
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
\* - denotes groundwater standard based on other criteria  
Laboratory results in bold exceed NCAC 2L Standard or SWSL  
ND = Not Detected above the Laboratory Reporting Limit  
NE = Not Established      NS = Not sampled  
U = not detected above the laboratory method detection limit  
J = Estimated value above laboratory method detection limit and below SWSL

Table 2  
 Summarized Laboratory Analytical Results for Groundwater Samples  
 C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
 Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-2									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	NS	0.1 J	ND	ND	0.2 J	ND	0.09 J	0.10 J		
10	Arsenic	NS	0.3 J	0.9 J	1.1 J	0.82 J	2.5 J	2.0 J	0.60 J		
700	Barium	NS	71.3 J	33.3 J	59.1 J	71.6 J	69.4 J	84.8	49.1 J		
4*	Beryllium	NS	ND	0.1 J	0.1 J	0.06 J	0.06 J	--- U	--- U		
2	Cadmium	NS	1.2	0.2 J	0.1 J	0.11 J	ND	--- U	0.03 J		
10	Chromium	NS	0.7 J	0.4 J	0.5 J	0.58 J	1.2 J	1.4 J	0.545 J		
1*	Cobalt	NS	0.3 J	0.3 J	0.5 J	<b>1.5 J</b>	0.75 J	0.79 J	0.31 J		
1000	Copper	NS	0.8 J	0.4 J	0.1 J	0.94 J	0.46 J	1.2 J	0.36 J		
70	Cyanide (assassment)	NS									
15	Lead	NS	0.3 J	0.9 J	0.1 J	0.5 J	0.79 J	2.1 J	0.43 J		
1	Mercury (assassment)	NS									
100	Nickel	NS	0.9 J	0.4 J	1.6 J	1.8 J	0.99 J	2.9 J	0.46 J		
20	Selenium	NS	ND	ND	0.6 J	0.22 J	0.29 J	0.57 J	0.30 J		
20	Silver	NS	0.1 J	ND	ND	ND	ND	--- U	--- U		
NE	Sulfide (assassment)	NS									
0.28*	Thallium	NS	0.1 J	ND	ND	ND	ND	--- U	--- U		
2000*	Tin (assassment)	NS									
0.3*	Vanadium	NS	<b>0.8 J</b>	<b>2.0 J</b>	<b>1.1 J</b>	<b>0.86 J</b>	<b>3.4 J</b>	<b>2.5 J</b>	<b>0.83 J</b>		
1000	Zinc	NS	8.1 J	2.3 J	6.8 J	12	8.2 J	18	6.5 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846.8260 & 8270 (µg/L)										
6000	Acetone	NS						--- U	--- U		
1	Benzene	NS	ND	ND	ND	ND	ND	--- U	--- U		
700	Carbon Disulfide	NS						--- U	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	ND	ND	ND	ND	--- U	--- U		
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
4	Bromoform	NS	ND	ND	ND	ND	ND	--- U	--- U		
3000	Chloroethane (Ethyl Chloride)	NS						--- U	--- U		
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	--- U	--- U		
3	Chloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	--- U	--- U		
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	--- U	--- U		
5	Methylene Chloride (Dichloromethane)	NS	ND	ND	ND	ND	ND	--- U	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	--- U	--- U		
600	Toluene	NS	ND	ND	ND	ND	0.4 J	--- U	--- U		
500	Total Xylenes	NS	ND	ND	ND	ND	ND	--- U	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	--- U	--- U		
NE	Tetrahydrofuran	NS	NA	NA	NA	ND	ND	--- U	--- U	--- U	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
 2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
 \* - denotes groundwater standard based on other criteria  
 Laboratory results in bold exceed NCAC 2L Standard or SWSL  
 ND = Not Detected above the Laboratory Reporting Limit  
 NE = Not Established      NS = Not sampled  
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Table 2  
 Summarized Laboratory Analytical Results for Groundwater Samples  
 C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009  
 Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-4									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	NS	0.2 J	ND	ND	0.29 J	ND	0.04 J	--- U		
10	Arsenic	NS	0.2 J	0.6 J	0.5 J	1.3 J	0.51 J	0.92 J	0.82 J		
700	Barium	NS	70.9 J	82.1 J	94.2 J	137	81.2 J	74.3 J	70.6 J		
4*	Beryllium	NS	0.1 J	0.1 J	0.1 J	0.57 J	0.1 J	0.15 J	0.12 J		
2	Cadmium	NS	0.1 J	0.1 J	0.2 J	0.14 J	0.05 J	--- U	0.07 J		
10	Chromium	NS	0.3 J	0.9 J	0.3 J	3.1 J	0.46 J	1.00 J	1.1 J		
1*	Cobalt	NS	0.2 J	0.5 J	0.7 J	<b>1.6 J</b>	0.86 J	0.72 J	<b>1.7 J</b>		
1000	Copper	NS	0.7 J	0.5 J	0.3 J	1.5 J	ND	0.42 J	1.2 J		
70	Cyanide (assassment)	NS									
15	Lead	NS	0.3 J	1.6 J	0.2 J	5.7 J	0.29 J	1.3 J	1.3 J		
1	Mercury (assassment)	NS									
100	Nickel	NS	0.6 J	0.8 J	0.8 J	1.5 J	0.55 J	6.1 J	1.1 J		
20	Selenium	NS	ND	ND	ND	0.33 J	ND	--- U	--- U		
20	Silver	NS	0.1 J	ND	ND	ND	ND	--- U	--- U		
NE	Sulfide (assassment)	NS									
0.28*	Thallium	NS	ND	ND	ND	0.09 J	0.09 J	--- U	--- U		
2000*	Tin (assassment)	NS									
0.3*	Vanadium	NS	<b>0.6 J</b>	<b>3.0 J</b>	<b>0.9 J</b>	<b>7.2 J</b>	<b>0.88 J</b>	<b>3.0 J</b>	<b>2.3 J</b>		
1000	Zinc	NS	8.8 J	3.0 J	3.9 J	9.4 J	2.4 J	0.70 J	11.0		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846.8260 & 8270 (µg/L)										
6000	Acetone	NS	ND	ND	ND	ND	ND	--- U	--- U		
1	Benzene	NS	ND	ND	ND	ND	ND	--- U	--- U		
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	--- U	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	ND	ND	ND	ND	--- U	--- U		
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
4	Bromoform	NS	ND	ND	ND	ND	ND	--- U	--- U		
3000	Chloroethane (Ethyl Chloride)	NS	ND	ND	ND	ND	ND	--- U	--- U		
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	--- U	--- U		
3	Chloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	--- U	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	--- U	--- U		
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	--- U	--- U		
5	Methylene Chloride (Dichloromethane)	NS	ND	ND	ND	ND	ND	--- U	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	--- U	--- U		
600	Toluene	NS	ND	ND	ND	0.4 J	ND	--- U	--- U		
500	Total Xylenes	NS	ND	ND	ND	ND	ND	--- U	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	--- U	--- U		
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	--- U	--- U		
NE	Tetrahydrofuran	NS	NA	NA	NA	ND	ND	--- U	--- U		
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR  
 2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by \*  
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 NE = Not Established      NS = Not sampled  
 U = not detected above the laboratory method detection limit  
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# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

ID#: 6003

JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH ,NC 27604

DATE COLLECTED: 11/27/12  
DATE REPORTED : 01/11/13

REVIEWED BY: 

PARAMETERS	MDL	SWSL	MW-2D	MW-3D	MW-3A	MW-4	MW-5	Analysis	Method
								Date	Analyst
PH (field measurement), Units			9.2	8.1	6.4	6.1	6.9	11/27/12RJH	4500HB-00
Antimony, ug/l	0.02	6.0	0.10 J	0.17 J	0.50 J	0.14 J	0.50 J	11/30/12LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	0.35 J	0.33 J	5.5 J	0.90 J	1.9 J	11/30/12LFJ	EPA200.8
Barium, ug/l	0.07	100.0	1.8 J	7.0 J	120	151	117	11/30/12LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	--- U	--- U	--- U	0.47 J	0.13 J	11/30/12LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.03 J	--- U	0.34 J	0.22 J	0.12 J	11/30/12LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	0.04 J	0.03 J	28	0.38 J	1.1 J	11/30/12LFJ	EPA200.8
Copper, ug/l	0.06	10.0	0.67 J	1.3 J	1.4 J	0.88 J	4.2 J	11/30/12LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	--- U	--- U	2.3 J	3.6 J	5.2 J	11/30/12LFJ	EPA200.8
Lead, ug/l	0.08	10.0	--- U	--- U	0.35 J	3.1 J	1.4 J	11/30/12LFJ	EPA200.8
Mercury, ug/l	0.02	0.20	0.07 J	0.03 J	0.05 J			11/30/12LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	1.1 J	0.88 J	8.8 J	1.8 J	5.4 J	11/30/12LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	0.55 J	0.52 J	11	1.2 J	4.3 J	11/30/12LFJ	EPA200.8
Silver, ug/l	0.10	10.0	--- U	11/30/12LFJ	EPA200.8				
Thallium, ug/l	0.07	5.5	0.25 J	--- U	0.13 J	--- U	--- U	12/03/12LFJ	EPA200.8
Tin, ug/l	0.10	100.0	--- U	0.17 J	0.28 J			11/30/12LFJ	EPA200.8
Vanadium, ug/l	0.10	25.0	1.5 J	--- U	1.6 J	5.8 J	2.0 J	11/30/12LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	1.8 J	2.5 J	8.4 J	6.7 J	5.8 J	11/30/12LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	--- U	--- U	360	70	23	11/28/12HLB	2130B-01
Sulfide, ug/l	100	1000	--- U	--- U	--- U			12/03/12LFJ	4500S2D-00
Conductivity (at 25c), uMhos/cm	1.0	1.0	280	511	2061	508	1215	11/27/12RJH	2510B-97
Temperature, °C			18	18	17	16	18	11/27/12RJH	2550B-00
Static Water Level, feet			12.15	12.36	11.43	6.62	6.58	11/27/12RJH	
Well Depth, feet			52.45	52.28	23.44	15.98	21.06	11/27/12RJH	

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

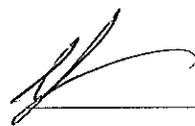
P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

ID#: 6003

JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

DATE COLLECTED: 11/27/12  
DATE REPORTED : 01/11/13

REVIEWED BY: 

PARAMETERS	MDL	SWSL	MW-6	MW-7	MW-8	Well #1	Well #2	Analysis	Method
						Shallow	Shallow	Date	Analyst
PH (field measurement), Units			6.5	6.6	6.5	6.3	6.4	11/27/12RJH	4500HB-00
Antimony, ug/l	0.02	6.0	0.07 J	0.15 J	0.16 J	0.14 J	0.28 J	11/30/12LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	2.4 J	0.72 J	8 J	0.74 J	9 J	11/30/12LFJ	EPA200.8
Barium, ug/l	0.07	100.0	53.4 J	100	133	37.1 J	152	11/30/12LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	0.09 J	--- U	0.09 J	0.18 J	0.09 J	11/30/12LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.12 J	0.16 J	0.04 J	0.16 J	0.18 J	11/30/12LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	0.55 J	1.3 J	27	0.31 J	8.6 J	11/30/12LFJ	EPA200.8
Copper, ug/l	0.06	10.0	1.2 J	1.9 J	1.4 J	1.0 J	1.3 J	11/30/12LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	1.8 J	1.5 J	3.0 J	0.45 J	1.9 J	11/30/12LFJ	EPA200.8
Lead, ug/l	0.08	10.0	0.55 J	0.20 J	0.19 J	1.1 J	0.64 J	11/30/12LFJ	EPA200.8
Mercury, ug/l	0.02	0.20	---	---	---	---	---	11/30/12LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	1.4 J	2.5 J	8.6 J	2.6 J	6.6 J	11/30/12LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	0.64 J	1.9 J	6.9 J	1.2 J	15	11/30/12LFJ	EPA200.8
Silver, ug/l	0.10	10.0	---	---	---	---	---	11/30/12LFJ	EPA200.8
Thallium, ug/l	0.07	5.5	---	0.29 J	---	---	0.10 J	12/03/12LFJ	EPA200.8
Tin, ug/l	0.10	100.0	---	---	0.92 J	---	---	11/30/12LFJ	EPA200.8
Vanadium, ug/l	0.10	25.0	4.7 J	0.52 J	1.2 J	1.2 J	1.7 J	11/30/12LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	4.9 J	4.6 J	5.5 J	4.7 J	4.6 J	11/30/12LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	23	7.5	400	18	150	11/28/12HLB	2130B-01
Sulfide, ug/l	100	1000	---	---	---	---	---	12/03/12LFJ	4500S2D-00
Conductivity (at 25c), uMhos/cm	1.0	1.0	295	911	2070	7007	1853	11/27/12RJH	2510B-97
Temperature, °C			17	17	19	17	18	11/27/12RJH	2550B-00
Static Water Level, feet			9.54	8.20	9.72	8.20	10.94	11/27/12RJH	
Well Depth, feet			16.65	16.33	20.36	17.21	16.59	11/27/12RJH	

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

ID#: 6003

JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH ,NC 27604

DATE COLLECTED: 11/27/12  
DATE REPORTED : 01/11/13

REVIEWED BY: 

PARAMETERS	MDL	Well #3		Trip Blank	Analysis		Method Code
		SWSL	Shallow		Date	Analyst	
PH (field measurement), Units			6.5		11/27/12	RJH	4500HB-00
Antimony, ug/l	0.02	6.0	0.16 J		11/30/12	LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	5.7 J		11/30/12	LFJ	EPA200.8
Barium, ug/l	0.07	100.0	425		11/30/12	LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	--- U		11/30/12	LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.05 J		11/30/12	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	15		11/30/12	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	1.6 J		11/30/12	LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	1.5 J		11/30/12	LFJ	EPA200.8
Lead, ug/l	0.08	10.0	0.31 J		11/30/12	LFJ	EPA200.8
Mercury, ug/l	0.02	0.20	0.02 J		11/30/12	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	5.8 J		11/30/12	LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	8.3 J		11/30/12	LFJ	EPA200.8
Silver, ug/l	0.10	10.0	--- U		11/30/12	LFJ	EPA200.8
Thallium, ug/l	0.07	5.5	--- U		12/03/12	LFJ	EPA200.8
Tin, ug/l	0.10	100.0	0.13 J		11/30/12	LFJ	EPA200.8
Vanadium, ug/l	0.10	25.0	1.8 J		11/30/12	LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	7.6 J		11/30/12	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	400		11/28/12	HLE	2130B-01
Sulfide, ug/l	100	1000	644 J		12/03/12	LFJ	4500S2D-00
Conductivity (at 25c), uMhos/cm	1.0	1.0	1676		11/27/12	RJH	2510B-97
Temperature, °C			20		11/27/12	RJH	2550B-00
Static Water Level, feet			12.34		11/27/12	RJH	
Well Depth, feet			22.24		11/27/12	RJH	

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
 Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
 GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
 FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
 C/O MR DAVID GARRETT  
 5105 HARBOUR TOWNE DRIVE  
 RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: CHS  
 DATE COLLECTED: 11/27/12  
 DATE EXTRACTED: 11/29/12  
 DATE ANALYZED: 12/28/12  
 DATE REPORTED: 01/11/13

Page: 1

REVIEWED BY: 

LANDFILL APPENDIX II  
 EPA METHOD 8151A R1(96)

PARAMETERS, ug/l	MDL	SWSL	MW-2D	MW-3D	MW-3A	MW-8	Well #1 Shallow
1. 2,4-D	0.36	2.0	--- U				
2. Dinoseb	0.54	1.0	--- U				
3. 2,4,5-TP	0.42	2.0	--- U				
4. 2,4,5-T	0.47	2.0	--- U				

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: CHS  
DATE COLLECTED: 11/27/12  
DATE EXTRACTED: 11/29/12  
DATE ANALYZED: 12/28/12  
DATE REPORTED: 01/11/13

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REVIEWED BY: 

## LANDFILL APPENDIX II EPA METHOD 8151A R1 (96)

PARAMETERS, ug/l	MDL	SWSL	Well #3 Shallow
1. 2,4-D	0.36	2.0	--- U
2. Dinoseb	0.54	1.0	--- U
3. 2,4,5-TP	0.42	2.0	--- U
4. 2,4,5-T	0.47	2.0	--- U

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003  
ANALYST: MAO  
DATE COLLECTED: 11/27/12  
DATE REPORTED: 01/11/13  
Page: 1

REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed:		12/05/12	12/05/12	12/05/12	12/05/12	12/05/12
	MDL	SWSL	MW-2D	MW-3D	MW-3A	MW-4	MW-5
1. Chloromethane	0.77	1.0	--- U				
2. Vinyl Chloride	0.63	1.0	--- U				
3. Bromomethane	0.67	10.0	--- U				
4. Chloroethane	0.48	10.0	--- U				
5. Trichlorofluoromethane	0.24	1.0	--- U				
6. 1,1-Dichloroethene	0.17	5.0	--- U				
7. Acetone	9.06	100.0	--- U				
8. Iodomethane	0.26	10.0	--- U				
9. Carbon Disulfide	0.23	100.0	--- U				
10. Methylene Chloride	0.64	1.0	--- U				
11. trans-1,2-Dichloroethene	0.23	5.0	--- U				
12. 1,1-Dichloroethane	0.20	5.0	--- U				
13. Vinyl Acetate	0.20	50.0	--- U				
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U				
15. 2-Butanone	2.21	100.0	--- U				
16. Bromochloromethane	0.27	3.0	--- U				
17. Chloroform	0.25	5.0	--- U				
18. 1,1,1-Trichloroethane	0.19	1.0	--- U				
19. Carbon Tetrachloride	0.22	1.0	--- U				
20. Benzene	0.24	1.0	--- U	--- U	0.70 J	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U				
22. Trichloroethene	0.23	1.0	--- U				
23. 1,2-Dichloropropane	0.21	1.0	--- U				
24. Bromodichloromethane	0.21	1.0	--- U				
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U				
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U				
27. Toluene	0.23	1.0	--- U				
28. trans-1,3-Dichloropropene	0.28	1.0	--- U				
29. 1,1,2-Trichloroethane	0.25	1.0	--- U				
30. Tetrachloroethene	0.17	1.0	--- U				
31. 2-Hexanone	1.57	50.0	--- U				
32. Dibromochloromethane	0.24	3.0	--- U				
33. 1,2-Dibromoethane	0.26	1.0	--- U				
34. Chlorobenzene	0.30	3.0	--- U				
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U				
36. Ethylbenzene	0.21	1.0	--- U				
37. Xylenes	0.68	5.0	--- U				
38. Dibromomethane	0.28	10.0	--- U				
39. Styrene	0.19	1.0	--- U				
40. Bromoform	0.20	3.0	--- U				
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U				
42. 1,2,3-Trichloropropane	0.43	1.0	--- U				
43. 1,4-Dichlorobenzene	0.39	1.0	--- U				
44. 1,2-Dichlorobenzene	0.32	5.0	--- U				
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U				
46. Acrylonitrile	2.72	200.0	--- U				
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U				

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO  
DATE COLLECTED: 11/27/12  
DATE REPORTED: 01/11/13

Page: 2

REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed:		12/05/12	12/05/12	12/05/12	12/05/12	12/05/12
	MDL	SWSL	MW-2D	MW-3D	MW-3A	MW-4	MW-5
48. Tetrahydrofuran	0.39	1.0	--- U	--- U	3.80	--- U	--- U

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO  
DATE COLLECTED: 11/27/12  
DATE REPORTED: 01/11/13

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REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed:		12/05/12	12/05/12	12/05/12	12/05/12	12/06/12
	MDL	SWSL	MW-6	MW-7	MW-8	Well #1 Shallow	Well #2 Shallow
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	1.60	--- U	0.60 J
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003  
ANALYST: MAO  
DATE COLLECTED: 11/27/12  
DATE REPORTED: 01/11/13

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REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed:		12/05/12	12/05/12	12/05/12	12/05/12	12/06/12
	MDL	SWSL	MW-6	MW-7	MW-8	Well #1 Shallow	Well #2 Shallow
48. Tetrahydrofuran	0.39	1.0	--- U	1.20	5.50	--- U	8.50

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003  
ANALYST: MAO  
DATE COLLECTED: 11/27/12  
DATE REPORTED: 01/11/13

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REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1 (96)

PARAMETERS, ug/l	Date Analyzed:		12/06/12	12/06/12
	MDL	SWSL	Well #3 Shallow	Trip Blank
1. Chloromethane	0.77	1.0	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U
10. Methylene Chloride	0.64	1.0	0.80 J	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U
20. Benzene	0.24	1.0	1.20	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

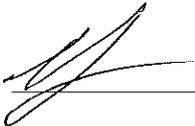
P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003  
ANALYST: MAO  
DATE COLLECTED: 11/27/12  
DATE REPORTED: 01/11/13

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REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed:		12/06/12	12/06/12
	MDL	SWSL	Well #3 Shallow	Trip Blank
48. Tetrahydrofuran	0.39	1.0	4.60	--- U

Environment 1, Inc.  
 P.O. Box 7085, 114 Oakmont Dr.  
 Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CLIENT: 6003 Week: 1

JUDSON WHITEHURST (C&D LANDFILL)  
 C/O MR DAVID GARRETT  
 5105 HARBOUR TOWNE DRIVE  
 RALEIGH NC 27604

(919) 231-1818

CHAIN OF CUSTODY RECORD

SAMPLE LOCATION	COLLECTION		TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	DISINFECTION		Field pH	Metals	Turbidity	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	8151A Landfill	8151A Duplicate	CHLORINE NEUTRALIZED AT COLLECTION	pH CHECK (LAB)	CONTAINER TYPE, P/G	CHEMICAL PRESERVATION
	DATE	TIME				CHLORINE	UV																
Well #3 Shallow	11/27/12	0945		20	8	<input type="checkbox"/>	<input type="checkbox"/>																
Trip Blank					2	<input type="checkbox"/>	<input type="checkbox"/>																
RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
<i>H. Page</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
COMMENTS:																							
SAMPLER must place a "C" for composite sample or a "G" for Grab sample in the blank above for each parameter requested																							
SAMPLER RECEIVED IN LAB AT <u>04</u> °C																							
CLASSIFICATION: <input type="checkbox"/> WASTEWATER (NPDES) <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> DWQ/GW <input checked="" type="checkbox"/> SOLID WASTE SECTION CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY SAMPLES COLLECTED BY: <i>H. Page</i> (Please Print) SAMPLES RECEIVED IN LAB AT <u>04</u> °C																							

PLEASE READ Instructions for completing this form on the reverse side.

Environment 1, Inc.  
 P.O. Box 7083, 114 Oakmont Dr.  
 Greenville, NC 27838

Phone (252) 756-6208 • Fax (252) 756-0633

CLIENT: 6003 Week: 1

JUDSON WHITEHURST (C&D LANDFILL)  
 C/O MR DAVID GARRETT  
 5105 HARBOUR TOWNE DRIVE  
 RALEIGH NC 27604

(919) 231-1818

CHAIN OF CUSTODY RECORD

SAMPLE LOCATION	COLLECTION		TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	DISINFECTION		Field pH	Metals	Turbidity	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	8151A Landfill	8151A Duplicate	PARAMETERS	
	DATE	TIME				CHLORINE	UV														
MMW-1D	11/22/12				8	<input type="checkbox"/>	<input type="checkbox"/>														
MMW-2D	11/22/12	1040			8	<input type="checkbox"/>	<input type="checkbox"/>														
MMW-3D	11/22/12	1505			8	<input type="checkbox"/>	<input type="checkbox"/>														
MMW-3A	11/22/12	1505			8	<input type="checkbox"/>	<input type="checkbox"/>														
MMW-4	11/22/12	1140			6	<input type="checkbox"/>	<input type="checkbox"/>														
MMW-5	11/22/12	1020			5	<input type="checkbox"/>	<input type="checkbox"/>														
MMW-6	11/22/12	1120			5	<input type="checkbox"/>	<input type="checkbox"/>														
MMW-7	11/22/12	1125			5	<input type="checkbox"/>	<input type="checkbox"/>														
MMW-8	11/22/12	0855			8	<input type="checkbox"/>	<input type="checkbox"/>														
Well #1 Shallow	11/22/12	0835			8	<input type="checkbox"/>	<input type="checkbox"/>														
Well #2 Shallow	11/22/12	1050			5	<input type="checkbox"/>	<input type="checkbox"/>														
RELINQUISHED BY (SIG.)	DATE/TIME	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)
RELINQUISHED BY (SIG.)	DATE/TIME	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)
COMMENTS: WELLS 1D BROKEN																					
CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY SAMPLES COLLECTED BY: (Please Print) SAMPLES RECEIVED IN LAB AT 04 °C																					

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blank shown for each parameter measured. N10 2400 8 2

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

ID#: 6003 A

JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH ,NC 27604

DATE COLLECTED: 11/27/12  
DATE REPORTED : 12/31/12

REVIEWED BY: 

PARAMETERS	MDL	SWSL	MW-9A	MW-10	MW-11	MW-13	Well #12	Analysis	Method
							Shallow	Date	Analyst
PH (field measurement), Units			7.4	6.7	6.6	5.9	6.5	11/27/12RJH	4500HB-00
Antimony, ug/l	0.02	6.0	0.06 J	0.09 J	0.08 J	0.10 J	0.30 J	11/30/12LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	0.17 J	1.5 J	0.82 J	0.76 J	15	11/30/12LFJ	EPA200.8
Barium, ug/l	0.07	100.0	36.5 J	132	19.3 J	76.6 J	504	11/30/12LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	--- U	0.08 J	0.29 J	0.13 J	--- U	11/30/12LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.04 J	0.08 J	0.64 J	0.12 J	0.13 J	11/30/12LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	0.08 J	0.86 J	0.53 J	0.46 J	1.1 J	11/30/12LFJ	EPA200.8
Copper, ug/l	0.06	10.0	0.50 J	0.64 J	0.70 J	1.0 J	0.91 J	11/30/12LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	--- U	0.80 J	0.25 J	0.68 J	16	11/30/12LFJ	EPA200.8
Lead, ug/l	0.08	10.0	0.12 J	0.43 J	0.49 J	1.5 J	0.65 J	11/30/12LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	1.3 J	1.6 J	2.3 J	1.7 J	7.3 J	11/30/12LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	0.21 J	2.1 J	1.1 J	1.0 J	4.1 J	11/30/12LFJ	EPA200.8
Silver, ug/l	0.10	10.0	--- U	11/30/12LFJ	EPA200.8				
Thallium, ug/l	0.07	5.5	--- U	12/03/12LFJ	EPA200.8				
Vanadium, ug/l	0.10	25.0	0.25 J	4.1 J	0.44 J	3.0 J	6.4 J	11/30/12LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	4.4 J	3.1 J	6.4 J	3.3 J	4.1 J	11/30/12LFJ	EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	363	877	706	361	1678	11/27/12RJH	2510B-97
Temperature, °C			18	17	17	19	17	11/27/12RJH	2550B-00
Static Water Level, feet			5.98	3.93	3.55	9.18	5.48	11/27/12RJH	
Well Depth, feet			23.17	22.73	23.80	22.68	22.93	11/27/12RJH	

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

ID#: 6003 A

JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH ,NC 27604

DATE COLLECTED: 11/27/12  
DATE REPORTED : 12/31/12

REVIEWED BY: 

PARAMETERS	MDL	MW-14S		MW-14D	Analysis		Method
		SWSL			Date	Analyst	Code
PH (field measurement), Units			5.5	7.9	11/27/12RJH		4500HB-00
Antimony, ug/l	0.02	6.0	0.14 J	0.09 J	11/30/12LFJ		EPA200.8
Arsenic, ug/l	0.13	10.0	3.7 J	0.24 J	11/30/12LFJ		EPA200.8
Barium, ug/l	0.07	100.0	74.7 J	11.2 J	11/30/12LFJ		EPA200.8
Beryllium, ug/l	0.07	1.0	0.39 J	---	U 11/30/12LFJ		EPA200.8
Cadmium, ug/l	0.03	1.0	0.36 J	0.43 J	11/30/12LFJ		EPA200.8
Cobalt, ug/l	0.02	10.0	1.6 J	0.10 J	11/30/12LFJ		EPA200.8
Copper, ug/l	0.06	10.0	0.57 J	1.2 J	11/30/12LFJ		EPA200.8
Total Chromium, ug/l	0.18	10.0	1.2 J	0.40 J	11/30/12LFJ		EPA200.8
Lead, ug/l	0.08	10.0	7.9 J	0.22 J	11/30/12LFJ		EPA200.8
Nickel, ug/l	0.06	50.0	1.9 J	1.7 J	11/30/12LFJ		EPA200.8
Selenium, ug/l	0.17	10.0	0.94 J	0.23 J	11/30/12LFJ		EPA200.8
Silver, ug/l	0.10	10.0	---	---	U 11/30/12LFJ		EPA200.8
Thallium, ug/l	0.07	5.5	---	---	U 12/03/12LFJ		EPA200.8
Vanadium, ug/l	0.10	25.0	22.7 J	0.41 J	11/30/12LFJ		EPA200.8
Zinc, ug/l	0.48	10.0	4.6 J	6.1 J	11/30/12LFJ		EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	324	497	11/27/12RJH		2510B-97
Temperature, °C			18	19	11/27/12RJH		2550B-00
Static Water Level, feet			5.11	5.60	11/27/12RJH		
Well Depth, feet			23.12	41.92	11/27/12RJH		

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

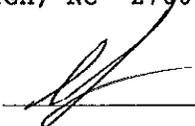
PHONE (252) 756-6208  
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003 A

ANALYST: MAO  
DATE COLLECTED: 11/27/12  
DATE ANALYZED: 12/11/12  
DATE REPORTED: 12/31/12

Page: 1

REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	MW-9A	MW-10	MW-11	MW-13	Well #12 Shallow
1. Chloromethane	0.77	1.0	--- U				
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	1.90
3. Bromomethane	0.67	10.0	--- U				
4. Chloroethane	0.48	10.0	--- U				
5. Trichlorofluoromethane	0.24	1.0	--- U				
6. 1,1-Dichloroethene	0.17	5.0	--- U				
7. Acetone	9.06	100.0	--- U				
8. Iodomethane	0.26	10.0	--- U				
9. Carbon Disulfide	0.23	100.0	--- U				
10. Methylene Chloride	0.64	1.0	--- U				
11. trans-1,2-Dichloroethene	0.23	5.0	--- U				
12. 1,1-Dichloroethane	0.20	5.0	--- U				
13. Vinyl Acetate	0.20	50.0	--- U				
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	4.10 J
15. 2-Butanone	2.21	100.0	--- U				
16. Bromochloromethane	0.27	3.0	--- U				
17. Chloroform	0.25	5.0	--- U				
18. 1,1,1-Trichloroethane	0.19	1.0	--- U				
19. Carbon Tetrachloride	0.22	1.0	--- U				
20. Benzene	0.24	1.0	--- U	--- U	--- U	--- U	0.70 J
21. 1,2-Dichloroethane	0.27	1.0	--- U				
22. Trichloroethene	0.23	1.0	--- U				
23. 1,2-Dichloropropane	0.21	1.0	--- U				
24. Bromodichloromethane	0.21	1.0	--- U				
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U				
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U				
27. Toluene	0.23	1.0	--- U				
28. trans-1,3-Dichloropropene	0.28	1.0	--- U				
29. 1,1,2-Trichloroethane	0.25	1.0	--- U				
30. Tetrachloroethene	0.17	1.0	--- U				
31. 2-Hexanone	1.57	50.0	--- U				
32. Dibromochloromethane	0.24	3.0	--- U				
33. 1,2-Dibromoethane	0.26	1.0	--- U				
34. Chlorobenzene	0.30	3.0	--- U				
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U				
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	1.50
37. Xylenes	0.68	5.0	--- U				
38. Dibromomethane	0.28	10.0	--- U				
39. Styrene	0.19	1.0	--- U				
40. Bromoform	0.20	3.0	--- U				
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U				
42. 1,2,3-Trichloropropane	0.43	1.0	--- U				
43. 1,4-Dichlorobenzene	0.39	1.0	--- U				
44. 1,2-Dichlorobenzene	0.32	5.0	--- U				
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U				
46. Acrylonitrile	2.72	200.0	--- U				
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U				
48. Tetrahydrofuran	0.39	1.0	--- U	--- U	6.20	--- U	10.90

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
 Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
 GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
 FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
 C/O MR DAVID GARRETT  
 5105 HARBOUR TOWNE DRIVE  
 RALEIGH, NC 27604

CLIENT ID: 6003 A  
 ANALYST: MAO  
 DATE COLLECTED: 11/27/12  
 DATE ANALYZED: 12/11/12  
 DATE REPORTED: 12/31/12

Page: 2

REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	MW-14S	MW-14D
1. Chloromethane	0.77	1.0	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U
48. Tetrahydrofuran	0.39	1.0	0.70 J	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.



# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

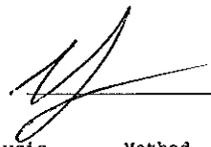
P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208  
FAX (252) 756-0633

ID#: 6003 C

JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH ,NC 27604

DATE COLLECTED: 11/27/12  
DATE REPORTED : 12/31/12

REVIEWED BY: 

PARAMETERS	MDL	SW-1 SWSL	SW-2	SW-3	SW-4	Analysis	
						Date	Analyst Code
PH (field measurement), Units			6.2	6.9	7.0	6.3	11/27/12RQH 4500HB-00
Antimony, ug/l	0.02	6.0	--- U	0.10 J	--- U	--- U	12/11/12LFFJ EPA200.8
Arsenic, ug/l	0.13	10.0	0.93 J	0.68 J	0.50 J	0.82 J	12/11/12LFFJ EPA200.8
Barium, ug/l	0.07	100.0	38.0 J	49.1 J	74.1 J	70.6 J	12/11/12LFFJ EPA200.8
Beryllium, ug/l	0.07	1.0	--- U	--- U	--- U	0.12 J	12/11/12LFFJ EPA200.8
Cadmium, ug/l	0.03	1.0	0.07 J	0.03 J	0.04 J	0.07 J	12/11/12LFFJ EPA200.8
Cobalt, ug/l	0.02	10.0	0.42 J	0.31 J	0.89 J	1.7 J	12/11/12LFFJ EPA200.8
Copper, ug/l	0.06	10.0	2.1 J	0.36 J	0.58 J	1.2 J	12/11/12LFFJ EPA200.8
Total Chromium, ug/l	0.18	10.0	0.54 J	0.545 J	0.18 J	1.1 J	12/11/12LFFJ EPA200.8
Lead, ug/l	0.08	10.0	0.45 J	0.43 J	0.11 J	1.3 J	12/11/12LFFJ EPA200.8
Nickel, ug/l	0.06	50.0	0.46 J	0.46 J	0.78 J	1.1 J	12/11/12LFFJ EPA200.8
Selenium, ug/l	0.17	10.0	0.17 J	0.30 J	0.26 J	--- U	12/11/12LFFJ EPA200.8
Silver, ug/l	0.10	10.0	--- U	--- U	--- U	--- U	12/11/12LFFJ EPA200.8
Thallium, ug/l	0.07	5.5	--- U	--- U	--- U	--- U	12/11/12LFFJ EPA200.8
Vanadium, ug/l	0.10	25.0	1.5 J	0.83 J	0.67 J	2.3 J	12/11/12LFFJ EPA200.8
Zinc, ug/l	0.48	10.0	4.8 J	6.5 J	8.2 J	11	12/11/12LFFJ EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	108	328	295	152	11/27/12RQH 2510B-97
Temperature, °C			10	8	10	11	11/27/12RQH 2550B-00

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

# Environment 1, Incorporated

Drinking Water ID: 37715  
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE  
GREENVILLE, N.C. 27835-7085

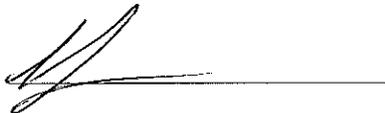
PHONE (252) 756-6208  
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)  
C/O MR DAVID GARRETT  
5105 HARBOUR TOWNE DRIVE  
RALEIGH, NC 27604

CLIENT ID: 6003 C

ANALYST: MAO  
DATE COLLECTED: 11/27/12  
DATE ANALYZED: 12/11/12  
DATE REPORTED: 12/31/12

Page: 1

REVIEWED BY: 

## VOLATILE ORGANICS EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	SW-1	SW-2	SW-3	SW-4
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U
48. Tetrahydrofuran	0.39	1.0	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Enviro-annest 1, Inc.  
 P.O. Box 7085, 114 Oakmont Dr.  
 Greenville, NC 27858

**CHAIN OF CUSTODY RECORD**

Phone (252) 756-6208 • Fax (252) 756-0633

CLIENT: 6003 C Week: 48

JUDSON WHITEHURST (C&D LANDFILL)  
 C/O MR DAVID GARRETT  
 5105 HARBOUR TOWNE DRIVE  
 RALEIGH NC 27604

(919) 231-1818

SAMPLE LOCATION	COLLECTION		TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION	DISINFECTED <input type="checkbox"/> CHLORINE <input type="checkbox"/> UV <input type="checkbox"/> NONE	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	EPA 8260B	8260 Dup. 1	CHLORINE NEUTRALIZED AT COLLECTION	pH CHECK (LAB)	CONTAINER TYPE, P/G	CHEMICAL PRESERVATION	PARAMETERS	
	DATE	TIME																
SW-1	11/27/12	1140		<input type="checkbox"/>	10	4	<input checked="" type="checkbox"/>					A - NONE D - NaOH B - HNO <sub>3</sub> E - HCL C - H <sub>2</sub> SO <sub>4</sub> F - ZINC ACETATE G - NATHIOSULFATE						
SW-2	11/27/12	1055		<input checked="" type="checkbox"/>	10	4	<input checked="" type="checkbox"/>					CLASSIFICATION: <input type="checkbox"/> WASTEWATER (NPDES) <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> DMO/GW <input checked="" type="checkbox"/> SOLID WASTE SECTION						
SW-3	11/27/12	1240		<input checked="" type="checkbox"/>	11	4	<input checked="" type="checkbox"/>					CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY <input checked="" type="checkbox"/> Y <input type="checkbox"/> N						
SW-4	11/27/12	1325		<input checked="" type="checkbox"/>	11	4	<input checked="" type="checkbox"/>					SAMPLES COLLECTED BY: (Please Print) Hagar / Fok						
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)
<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>	11/27/12	<i>[Signature]</i>
COMMENTS:																		
SAMPLES RECEIVED IN LAB AT 04 °C																		

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blanks above for each parameter measured. NIO 2540A7