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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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):

Consultant - Camp Dresser & McKee

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

Name: Mathew F. Colone Phone: 919-787-5620

E-mail: colonemf@cdm.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Wake County North Wake C&D Landfill	9004 Deponie Drive Raleigh, NC 27615	92-09	.0500	March 18, 2009

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Mathew F. Colone	Consultant	(919) 787-5620
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Mathew F. Colone — 4/9/09

Signature — Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 1851 MATHEW F. COLONE

Mathew F. Colone

4/9/09

Revised 01/2007

Wake County,
North Carolina

North Wake C&D Landfill Semi-Annual Sampling Report (March 2009 Sampling Event)

April 2009

Report

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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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):

Consultant - Camp Dresser & McKee

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

Name: Mathew F. Colone Phone: 919-787-5620

E-mail: colonemf@cdm.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Wake County North Wake C&D Landfill	9004 Deponie Drive Raleigh, NC 27615	92-09	.0500	March 18, 2009

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Mathew F. Colone	Consultant	(919) 787-5620
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Mathew F. Colone — 4/9/09

Signature — Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 1851 MATHEW F. COLONE

Mathew F. Colone

4/9/09

Revised 01/2007

CDM
5400 Glenwood Avenue, Suite 300
Raleigh, North Carolina 27612
tel: 919 787-5620
fax: 919 781-5730

April 9, 2009

Ms. Jaclynne Drummond
Solid Waste Section
Division of Waste Management
401 Oberlin Road
Suite 150
Raleigh, North Carolina 27605-1350

Subject: March 2009 Semi-Annual Monitoring Sampling Report
North Wake C&D Landfill
Facility Permit # - 9209

Dear Ms. Drummond:

CDM, on behalf of Wake County, is submitting one copy of the March 2009 semi-annual sampling event report. This letter report presents the results of the most recent semi-annual sampling event at the North Wake C&D Landfill and constitutes the first semi-annual sampling for 2009. Sampling results for all wells from the March 2009 event are discussed below.

Field Activities

Groundwater samples from the North Wake C&D Landfill were collected on March 18, 2009 by use of disposable, laboratory decontaminated, Teflon™ bailers. The approved groundwater-monitoring network consists of the background well (MW-1) and 3 down-gradient compliance wells (CD-1, CD-2, and CD–3). Monitoring well locations are shown on Figure 1.

Groundwater elevations were measured at each well prior to sampling, and are presented in Table 1. These groundwater elevations were used to construct potentiometric contours for this sampling event. The potentiometric contours and sampling locations are presented on Figure 1. After depth to groundwater was determined, three well volumes of water were removed from each well prior to sampling to ensure fresh formation water within the well water column. Each well volume was measured in the field for pH, conductivity, temperature, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). The field parameters at the time of sampling and groundwater elevations are presented in Table 1.

CDM

Sampling Results
SGS Environmental Inc. in Wilmington, North Carolina analyzed groundwater samples for the North Carolina Appendix I Volatile Organic Compounds (VOC's) and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).

Analytical data must be reported to the laboratory specific method detection limits and must be quantifiable at or below the Solid Waste Section Limits (SWSL). All monitoring wells for the C&D Landfill had detections of analytes above the method detection limit but below the SWSL. These detections were qualified as estimated or "J" values. "B" values, which indicate that the amount detected in the method blank was greater than the method detection limit, were also reported. Some of the analytes detected in the groundwater samples above the method detection limit had not been previously detected.

No parameters exceeded the North Carolina 2L Standard (NC2L). The equipment blank had "J" value detections of toluene, xylene, and silver. Chloroform in CD-2 was the only VOC detected in the wells. A complete summary of all detected constituents, including detections above the method detection limit, is presented in Table 2. Full laboratory results are provided in the appendix.

If you have any questions or require further explanation, do not hesitate to call me at 787-5620.

Very truly yours,

Mat Colone

Mathew F. Colone, P.G.
Camp Dresser & McKee

cc: Lee Squires, WCSWM

Table 1
Water Quality Field Parameters - March 2009
North Wake C&D Landfill

	Field Measurements						Groundwater Elevations		
Monitoring Well I.D.	**pH (-)**	**Conductivity (μS)**	**Temperature (deg. C)**	**Turbidity (NTU)**	**DO (mg/L)**	**ORP (-)**	**TOC Elevation (feet AMSL)**	**Depth to Groundwater (feet)**	**Groundwater Elevation (feet AMSL)**
MW-1	6.57	68	15.5	> 1,000	5.12	170.1	333.80	46.24	287.56
CD-1	7.84	99	16.0	371	4.60	101.9	296.26	12.96	283.30
CD-2	6.60	100	14.5	369	4.02	98.9	282.64	10.35	272.29
CD-3	5.75	52	17.3	602	2.89	207.7	301.49	21.04	280.45

NOTES:
AMSL - Above Mean Sea Level
TOC - Top of Casing

Table 2
Detected Groundwater Constituents - Metals and Volatile Organic Compounds
North Wake C&D Landfill

		Metals								VOCs
Monitor Well	**Sample Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**Chloroform**
NC2L		**0.05**	**2**	**0.00175**	**0.05**	**0.015**	**0.00105**	**0.05**	**0.0175**	**0.07**
SWSL		**0.01**	**0.1**	**0.001**	**0.01**	**0.01**	**0.0002**	**0.01**	**0.01**	**0.005**
MW-1	5-Jun-01									
MW-1	29-Nov-01									
MW-1	5-Apr-02									
MW-1	7-Nov-02									
MW-1	16-Apr-03									
MW-1	30-Oct-03									
MW-1	7-Apr-04									
MW-1	19-Nov-04									
MW-1	22-Apr-05					**0.016**				
MW-1	10-Nov-05					**0.015**				
MW-1	13-Apr-06									
MW-1	8-Nov-06									
MW-1	18-Apr-07									
MW-1	7-Nov-07		0.151		0.011	**0.028**				
MW-1	13-May-08	0.00187JB	0.0452JB		0.00263J					
MW-1	3-Nov-08		0.0329J						0.00123JB	
MW-1	18-Mar-09		0.0308J						0.00127JB	
CD-1	5-Jun-01		0.102							
CD-1	29-Nov-01		0.371							
CD-1	5-Apr-02									
CD-1	7-Nov-02									
CD-1	16-Apr-03									
CD-1	30-Oct-03									
CD-1	7-Apr-04									
CD-1	19-Nov-04			0.001						
CD-1	22-Apr-05		0.735		0.011	0.015				
CD-1	10-Nov-05									
CD-1	13-Apr-06									
CD-1	8-Nov-06					0.011				
CD-1	18-Apr-07		0.501		0.015	0.011				
CD-1	7-Nov-07		0.501		0.013	0.011				
CD-1	13-May-08	0.00417JB	0.257B		0.0138	**0.015**				
CD-1	3-Nov-08		0.131		0.00739J	0.00691J				
CD-1	18-Mar-08		0.135		0.00632J				0.00148JB	

Notes:

Metals are in milligrams per liter (parts per million) and VOCs are in micrograms per liter (parts per billion).

* - Groundwater Protection Standard

- Concentration exceeds N.C. Groundwater Standards (2L).

- Indicates results below detection limits

J - Indicates the analytical result is an estimated concentration between the Method Detection Limit (MDL) and the Solid Waste Section Reporting Limit (SWSL)

B - Indicates that the amount detected in the method blank was greater than the Method Detection Limit

Table 2
Detected Groundwater Constituents - Metals and Volatile Organic Compounds
North Wake C&D Landfill

		Metals								VOCs
Monitor Well	**Sample Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**Chloroform**
NC2L		**0.05**	**2**	**0.00175**	**0.05**	**0.015**	**0.00105**	**0.05**	**0.0175**	**0.07**
SWSL		**0.01**	**0.1**	**0.001**	**0.01**	**0.01**	**0.0002**	**0.01**	**0.01**	**0.005**
CD-2	5-Jun-01									
CD-2	29-Nov-01		0.357							
CD-2	5-Apr-02									
CD-2	7-Nov-02									
CD-2	16-Apr-03									
CD-2	30-Oct-03									
CD-2	7-Apr-04									
CD-2	19-Nov-04				0.015	0.011				
CD-2	22-Apr-05					**0.018**				
CD-2	10-Nov-05									
CD-2	13-Apr-06									
CD-2	8-Nov-06					**0.016**				
CD-2	18-Apr-07		0.192							
CD-2	7-Nov-07		0.224			0.012				
CD-2	13-May-08		0.0451JB		0.0049J	0.00552J			0.00112J	
CD-2	3-Nov-08		0.0357J		0.00401J				0.00126JB	
CD-2	18-Mar-09		0.0418J		0.00116J				0.00124JB	0.00572
CD-3	5-Jun-01									
CD-3	29-Nov-01									
CD-3	5-Apr-02									
CD-3	7-Nov-02									
CD-3	16-Apr-03									
CD-3	30-Oct-03									
CD-3	7-Apr-04									
CD-3	19-Nov-04									
CD-3	22-Apr-05									
CD-3	10-Nov-05									
CD-3	13-Apr-06									
CD-3	8-Nov-06									
CD-3	18-Apr-07		0.109							
CD-3	7-Nov-07		0.269			**0.015**				
CD-3	13-May-08		0.0312JB		0.00197J					
CD-3	3-Nov-08		0.0265J		0.00124J	0.0041J			0.00119JB	
CD-3	18-Mar-09		0.0423J						0.00109JB	

Notes:

All values are in milligrams per liter (parts per million).

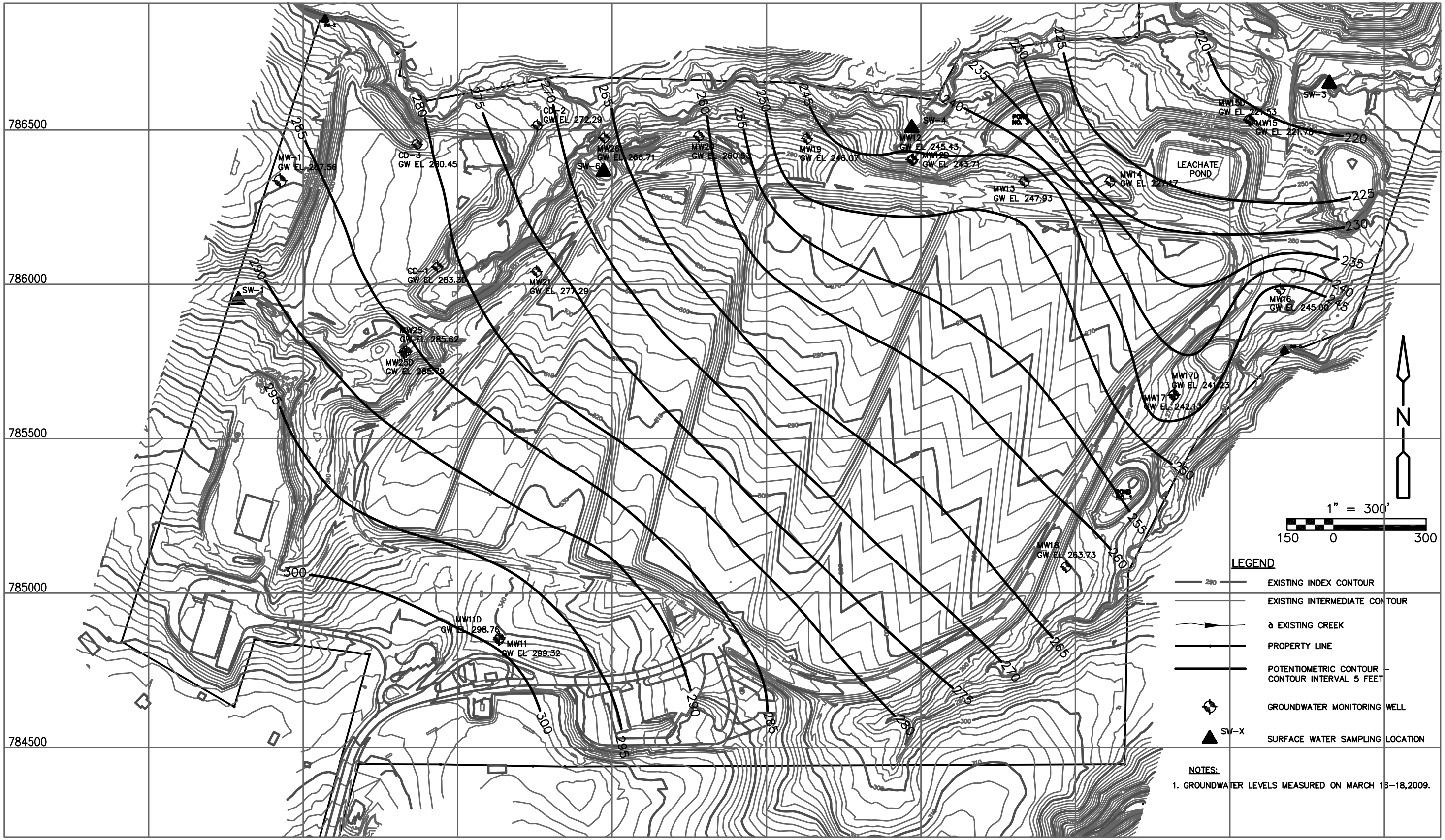
* - Groundwater Protection Standard

- Concentration exceeds N.C. Groundwater Standards (2L).

- Indicates results below detection limits

J - Indicates the analytical result is an estimated concentration between the Method Detection Limit (MDL) and the Solid Waste Section Reporting Limit (SWSL)

B - Indicates that the amount detected in the method blank was greater than the Method Detection Limit



CDM Camp Dresser & McKee

Figure No.1
NORTH WAKE LINED LANDFILL
POTENTIOMETRIC CONTOUR MAP

Dan Forbes
Camp, Dresser & McKee
5400 Glenwood Avenue
Raleigh, NC 27612

Report Number: G175-699

Client Project: N Wake C & D Landfill

Dear Dan Forbes,

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS Environmental Services at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

Ashley Nifong 3/30/09

Project Manager Date
Ashley Nifong

List of Reporting Abbreviations And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.021808.4

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: EQ Blank
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-1A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 8:30
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	3/27/2009	
Acetonitrile	BQL	55.0	2.58	1	3/27/2009	
Acrylonitrile	BQL	200	2.93	1	3/27/2009	
Benzene	BQL	1.00	0.0650	1	3/27/2009	
Bromochloromethane	BQL	3.00	0.101	1	3/27/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	3/27/2009	
Bromoform	BQL	3.00	0.120	1	3/27/2009	
Bromomethane	BQL	10.0	0.133	1	3/27/2009	
2-butanone	BQL	100	0.544	1	3/27/2009	
Carbon disulfide	BQL	100	0.0690	1	3/27/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	3/27/2009	
Chlorobenzene	BQL	3.00	0.0820	1	3/27/2009	
Chloroethane	BQL	10.0	0.106	1	3/27/2009	
Chloroform	BQL	5.00	0.0790	1	3/27/2009	
Chloromethane	BQL	1.00	0.146	1	3/27/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	3/27/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	3/27/2009	
Dibromomethane	BQL	10.0	0.113	1	3/27/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	3/27/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	3/27/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	3/27/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	3/27/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	3/27/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	3/27/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	3/27/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	3/27/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	3/27/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	3/27/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
Ethylbenzene	BQL	1.00	0.0770	1	3/27/2009	
2-hexanone	BQL	50.0	0.720	1	3/27/2009	
Iodomethane	BQL	10.0	0.0420	1	3/27/2009	
Methylene chloride	BQL	1.00	0.0980	1	3/27/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	3/27/2009	
Styrene	BQL	1.00	0.0850	1	3/27/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	3/27/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	3/27/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	3/27/2009	
Toluene	**0.430**	1.00	0.0760	1	3/27/2009	J
Trichloroethene	BQL	1.00	0.0540	1	3/27/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	3/27/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	3/27/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	3/27/2009	

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: EQ Blank
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-1A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 8:30
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,2,3-Trichloropropane	BQL	1.00	0.120	1	3/27/2009	
Vinyl acetate	BQL	50.0	0.100	1	3/27/2009	
Vinyl chloride	BQL	1.00	0.149	1	3/27/2009	
Total Xylene	**0.140**	5.00	0.0650	1	3/27/2009	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	8.28	83
Toluene-d8	10	10.2	102
4-Bromofluorobenzene	10	10.5	105

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____

Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: CD-1
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-2A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 13:30
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	3/27/2009	
Acetonitrile	BQL	55.0	2.58	1	3/27/2009	
Acrylonitrile	BQL	200	2.93	1	3/27/2009	
Benzene	BQL	1.00	0.0650	1	3/27/2009	
Bromochloromethane	BQL	3.00	0.101	1	3/27/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	3/27/2009	
Bromoform	BQL	3.00	0.120	1	3/27/2009	
Bromomethane	BQL	10.0	0.133	1	3/27/2009	
2-butanone	BQL	100	0.544	1	3/27/2009	
Carbon disulfide	BQL	100	0.0690	1	3/27/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	3/27/2009	
Chlorobenzene	BQL	3.00	0.0820	1	3/27/2009	
Chloroethane	BQL	10.0	0.106	1	3/27/2009	
Chloroform	BQL	5.00	0.0790	1	3/27/2009	
Chloromethane	BQL	1.00	0.146	1	3/27/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	3/27/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	3/27/2009	
Dibromomethane	BQL	10.0	0.113	1	3/27/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	3/27/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	3/27/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	3/27/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	3/27/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	3/27/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	3/27/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	3/27/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	3/27/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	3/27/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	3/27/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
Ethylbenzene	BQL	1.00	0.0770	1	3/27/2009	
2-hexanone	BQL	50.0	0.720	1	3/27/2009	
Iodomethane	BQL	10.0	0.0420	1	3/27/2009	
Methylene chloride	BQL	1.00	0.0980	1	3/27/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	3/27/2009	
Styrene	BQL	1.00	0.0850	1	3/27/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	3/27/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	3/27/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	3/27/2009	
Toluene	BQL	1.00	0.0760	1	3/27/2009	
Trichloroethene	BQL	1.00	0.0540	1	3/27/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	3/27/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	3/27/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	3/27/2009	

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: CD-1
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-2A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 13:30
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,2,3-Trichloropropane	BQL	1.00	0.120	1	3/27/2009	
Vinyl acetate	BQL	50.0	0.100	1	3/27/2009	
Vinyl chloride	BQL	1.00	0.149	1	3/27/2009	
Total Xylene	BQL	5.00	0.0650	1	3/27/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	8.19	82
Toluene-d8	10	10.2	102
4-Bromofluorobenzene	10	10.5	105

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____

Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-1
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-3A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 13:45
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	3/27/2009	
Acetonitrile	BQL	55.0	2.58	1	3/27/2009	
Acrylonitrile	BQL	200	2.93	1	3/27/2009	
Benzene	BQL	1.00	0.0650	1	3/27/2009	
Bromochloromethane	BQL	3.00	0.101	1	3/27/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	3/27/2009	
Bromoform	BQL	3.00	0.120	1	3/27/2009	
Bromomethane	BQL	10.0	0.133	1	3/27/2009	
2-butanone	BQL	100	0.544	1	3/27/2009	
Carbon disulfide	BQL	100	0.0690	1	3/27/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	3/27/2009	
Chlorobenzene	BQL	3.00	0.0820	1	3/27/2009	
Chloroethane	BQL	10.0	0.106	1	3/27/2009	
Chloroform	BQL	5.00	0.0790	1	3/27/2009	
Chloromethane	BQL	1.00	0.146	1	3/27/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	3/27/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	3/27/2009	
Dibromomethane	BQL	10.0	0.113	1	3/27/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	3/27/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	3/27/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	3/27/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	3/27/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	3/27/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	3/27/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	3/27/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	3/27/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	3/27/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	3/27/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
Ethylbenzene	BQL	1.00	0.0770	1	3/27/2009	
2-hexanone	BQL	50.0	0.720	1	3/27/2009	
Iodomethane	BQL	10.0	0.0420	1	3/27/2009	
Methylene chloride	BQL	1.00	0.0980	1	3/27/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	3/27/2009	
Styrene	BQL	1.00	0.0850	1	3/27/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	3/27/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	3/27/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	3/27/2009	
Toluene	BQL	1.00	0.0760	1	3/27/2009	
Trichloroethene	BQL	1.00	0.0540	1	3/27/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	3/27/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	3/27/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	3/27/2009	

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-1
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-3A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 13:45
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,2,3-Trichloropropane	BQL	1.00	0.120	1	3/27/2009	
Vinyl acetate	BQL	50.0	0.100	1	3/27/2009	
Vinyl chloride	BQL	1.00	0.149	1	3/27/2009	
Total Xylene	BQL	5.00	0.0650	1	3/27/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	8.33	83
Toluene-d8	10	10.1	101
4-Bromofluorobenzene	10	10.2	102

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____

Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: CD-3
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-4A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 13:55
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	3/27/2009	
Acetonitrile	BQL	55.0	2.58	1	3/27/2009	
Acrylonitrile	BQL	200	2.93	1	3/27/2009	
Benzene	BQL	1.00	0.0650	1	3/27/2009	
Bromochloromethane	BQL	3.00	0.101	1	3/27/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	3/27/2009	
Bromoform	BQL	3.00	0.120	1	3/27/2009	
Bromomethane	BQL	10.0	0.133	1	3/27/2009	
2-butanone	BQL	100	0.544	1	3/27/2009	
Carbon disulfide	BQL	100	0.0690	1	3/27/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	3/27/2009	
Chlorobenzene	BQL	3.00	0.0820	1	3/27/2009	
Chloroethane	BQL	10.0	0.106	1	3/27/2009	
Chloroform	BQL	5.00	0.0790	1	3/27/2009	
Chloromethane	BQL	1.00	0.146	1	3/27/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	3/27/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	3/27/2009	
Dibromomethane	BQL	10.0	0.113	1	3/27/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	3/27/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	3/27/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	3/27/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	3/27/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	3/27/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	3/27/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	3/27/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	3/27/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	3/27/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	3/27/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
Ethylbenzene	BQL	1.00	0.0770	1	3/27/2009	
2-hexanone	BQL	50.0	0.720	1	3/27/2009	
Iodomethane	BQL	10.0	0.0420	1	3/27/2009	
Methylene chloride	BQL	1.00	0.0980	1	3/27/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	3/27/2009	
Styrene	BQL	1.00	0.0850	1	3/27/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	3/27/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	3/27/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	3/27/2009	
Toluene	BQL	1.00	0.0760	1	3/27/2009	
Trichloroethene	BQL	1.00	0.0540	1	3/27/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	3/27/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	3/27/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	3/27/2009	

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: CD-3
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-4A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 13:55
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,2,3-Trichloropropane	BQL	1.00	0.120	1	3/27/2009	
Vinyl acetate	BQL	50.0	0.100	1	3/27/2009	
Vinyl chloride	BQL	1.00	0.149	1	3/27/2009	
Total Xylene	BQL	5.00	0.0650	1	3/27/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	8.31	83
Toluene-d8	10	10.1	101
4-Bromofluorobenzene	10	10.5	105

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____

Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: CD-2
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-5A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 14:05
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	3/27/2009	
Acetonitrile	BQL	55.0	2.58	1	3/27/2009	
Acrylonitrile	BQL	200	2.93	1	3/27/2009	
Benzene	BQL	1.00	0.0650	1	3/27/2009	
Bromochloromethane	BQL	3.00	0.101	1	3/27/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	3/27/2009	
Bromoform	BQL	3.00	0.120	1	3/27/2009	
Bromomethane	BQL	10.0	0.133	1	3/27/2009	
2-butanone	BQL	100	0.544	1	3/27/2009	
Carbon disulfide	BQL	100	0.0690	1	3/27/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	3/27/2009	
Chlorobenzene	BQL	3.00	0.0820	1	3/27/2009	
Chloroethane	BQL	10.0	0.106	1	3/27/2009	
Chloroform	**5.72**	5.00	0.0790	1	3/27/2009	
Chloromethane	BQL	1.00	0.146	1	3/27/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	3/27/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	3/27/2009	
Dibromomethane	BQL	10.0	0.113	1	3/27/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	3/27/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	3/27/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	3/27/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	3/27/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	3/27/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	3/27/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	3/27/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	3/27/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	3/27/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	3/27/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
Ethylbenzene	BQL	1.00	0.0770	1	3/27/2009	
2-hexanone	BQL	50.0	0.720	1	3/27/2009	
Iodomethane	BQL	10.0	0.0420	1	3/27/2009	
Methylene chloride	BQL	1.00	0.0980	1	3/27/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	3/27/2009	
Styrene	BQL	1.00	0.0850	1	3/27/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	3/27/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	3/27/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	3/27/2009	
Toluene	BQL	1.00	0.0760	1	3/27/2009	
Trichloroethene	BQL	1.00	0.0540	1	3/27/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	3/27/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	3/27/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	3/27/2009	

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: CD-2
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-5A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 14:05
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,2,3-Trichloropropane	BQL	1.00	0.120	1	3/27/2009	
Vinyl acetate	BQL	50.0	0.100	1	3/27/2009	
Vinyl chloride	BQL	1.00	0.149	1	3/27/2009	
Total Xylene	BQL	5.00	0.0650	1	3/27/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	8.28	83
Toluene-d8	10	10.2	102
4-Bromofluorobenzene	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____

Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Trip Blank
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-6A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 0:00
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	3/27/2009	
Acetonitrile	BQL	55.0	2.58	1	3/27/2009	
Acrylonitrile	BQL	200	2.93	1	3/27/2009	
Benzene	BQL	1.00	0.0650	1	3/27/2009	
Bromochloromethane	BQL	3.00	0.101	1	3/27/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	3/27/2009	
Bromoform	BQL	3.00	0.120	1	3/27/2009	
Bromomethane	BQL	10.0	0.133	1	3/27/2009	
2-butanone	BQL	100	0.544	1	3/27/2009	
Carbon disulfide	BQL	100	0.0690	1	3/27/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	3/27/2009	
Chlorobenzene	BQL	3.00	0.0820	1	3/27/2009	
Chloroethane	BQL	10.0	0.106	1	3/27/2009	
Chloroform	BQL	5.00	0.0790	1	3/27/2009	
Chloromethane	BQL	1.00	0.146	1	3/27/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	3/27/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	3/27/2009	
Dibromomethane	BQL	10.0	0.113	1	3/27/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	3/27/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	3/27/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	3/27/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	3/27/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	3/27/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	3/27/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	3/27/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	3/27/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	3/27/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	3/27/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	3/27/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	3/27/2009	
Ethylbenzene	BQL	1.00	0.0770	1	3/27/2009	
2-hexanone	BQL	50.0	0.720	1	3/27/2009	
Iodomethane	BQL	10.0	0.0420	1	3/27/2009	
Methylene chloride	BQL	1.00	0.0980	1	3/27/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	3/27/2009	
Styrene	BQL	1.00	0.0850	1	3/27/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	3/27/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	3/27/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	3/27/2009	
Toluene	BQL	1.00	0.0760	1	3/27/2009	
Trichloroethene	BQL	1.00	0.0540	1	3/27/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	3/27/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	3/27/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	3/27/2009	

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Trip Blank
Client Project ID: N Wake C & D Landfill
Lab Sample ID: G175-699-6A
Lab Project ID: G175-699

Analyzed By: CLP
Date Collected: 3/18/2009 0:00
Date Received: 3/19/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,2,3-Trichloropropane	BQL	1.00	0.120	1	3/27/2009	
Vinyl acetate	BQL	50.0	0.100	1	3/27/2009	
Vinyl chloride	BQL	1.00	0.149	1	3/27/2009	
Total Xylene	BQL	5.00	0.0650	1	3/27/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	7.99	80
Toluene-d8	10	10.2	102
4-Bromofluorobenzene	10	10.4	104

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____

Reviewed By: _____

Results for Metals

Client Sample ID:	EQ Blank	Analyzed By:	PSW
Client Project ID:	N Wake C & D Landfill	Date Collected:	3/18/2009 08:30
Lab Sample ID:	G175-699-1	Date Received:	3/19/2009
Lab Project ID:	G175-699	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	13899 13916		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00185	1	MG/L	6010B	3/24/2009	
Barium	BQL	0.100	0.00512	1	MG/L	6010B	3/24/2009	
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	3/23/2009	
Chromium	BQL	0.0100	0.00115	1	MG/L	6010B	3/24/2009	
Lead	BQL	0.0100	0.00358	1	MG/L	6010B	3/24/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	3/24/2009	
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	3/24/2009	
Silver	**0.00150**	0.0100	0.000812	1	MG/L	6010B	3/23/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	CD-1	Analyzed By:	PSW
Client Project ID:	N Wake C & D Landfill	Date Collected:	3/18/2009 13:30
Lab Sample ID:	G175-699-2	Date Received:	3/19/2009
Lab Project ID:	G175-699	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	13899 13916		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00185	1	MG/L	6010B	3/24/2009	
Barium	**0.135**	0.100	0.00512	1	MG/L	6010B	3/24/2009	
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	3/23/2009	
Chromium	**0.00632**	0.0100	0.00115	1	MG/L	6010B	3/24/2009	J
Lead	BQL	0.0100	0.00358	1	MG/L	6010B	3/24/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	3/24/2009	
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	3/24/2009	
Silver	**0.00148**	0.0100	0.000812	1	MG/L	6010B	3/23/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	MW-1	Analyzed By:	PSW
Client Project ID:	N Wake C & D Landfill	Date Collected:	3/18/2009 13:45
Lab Sample ID:	G175-699-3	Date Received:	3/19/2009
Lab Project ID:	G175-699	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	13899 13916		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00185	1	MG/L	6010B	3/24/2009	
Barium	**0.0308**	0.100	0.00512	1	MG/L	6010B	3/24/2009	J
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	3/23/2009	
Chromium	BQL	0.0100	0.00115	1	MG/L	6010B	3/24/2009	
Lead	BQL	0.0100	0.00358	1	MG/L	6010B	3/24/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	3/24/2009	
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	3/24/2009	
Silver	**0.00127**	0.0100	0.000812	1	MG/L	6010B	3/23/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	CD-3	Analyzed By:	PSW
Client Project ID:	N Wake C & D Landfill	Date Collected:	3/18/2009 13:55
Lab Sample ID:	G175-699-4	Date Received:	3/19/2009
Lab Project ID:	G175-699	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	13899 13916		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00185	1	MG/L	6010B	3/24/2009	
Barium	**0.0423**	0.100	0.00512	1	MG/L	6010B	3/24/2009	J
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	3/23/2009	
Chromium	BQL	0.0100	0.00115	1	MG/L	6010B	3/24/2009	
Lead	BQL	0.0100	0.00358	1	MG/L	6010B	3/24/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	3/24/2009	
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	3/24/2009	
Silver	**0.00109**	0.0100	0.000812	1	MG/L	6010B	3/23/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	CD-2	Analyzed By:	PSW
Client Project ID:	N Wake C & D Landfill	Date Collected:	3/18/2009 14:05
Lab Sample ID:	G175-699-5	Date Received:	3/19/2009
Lab Project ID:	G175-699	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	13899 13916		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00185	1	MG/L	6010B	3/24/2009	
Barium	**0.0418**	0.100	0.00512	1	MG/L	6010B	3/24/2009	J
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	3/23/2009	
Chromium	**0.00116**	0.0100	0.00115	1	MG/L	6010B	3/24/2009	J
Lead	BQL	0.0100	0.00358	1	MG/L	6010B	3/24/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	3/24/2009	
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	3/24/2009	
Silver	**0.00124**	0.0100	0.000812	1	MG/L	6010B	3/23/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

www.us.sgs.com

(1)

CLIENT: CDM

CONTACT: Dan Forbes PHONE NO: 919-787-5620

PROJECT: N Wake C&D Landfill SITE/PWSID# :

REPORTS TO: Dan Forbes EMAIL: on file

INVOICE TO: Same QUOTE #: P.O. #:

SGS Reference #: G175-699

page 1 of 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used: HCl	HNO3								REMARKS/ LOC ID
							Analysis Required (3): App I VOCs	RCRA Metals								
	EQ Blank	3/18/09	830	W	4	G	3	1								*Report results according
	CD-1	3/18/09	1330	W	4	G	3	1								to solid waste section
	MW-1	3/18/09	1345	W	4	G	3	1								reporting limits
	CD-3	3/18/09	1355	W	4	G	3	1								- Report "J" values
	CD-2	3/18/09	1405	W	4	G	3	1								- Provide edd
	TRIP Blank	3/18/09	—	W	2	G	2									

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
[signature]	3/18/09	1530	[signature] 3/18/09 15:30
Relinquished By: (2) [signature]	Date 3/18/09	Time 16:30	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 3/19/09	Time 1010	Received For Laboratory By: [signature]

(4)

DOD Project? YES NO

Cooler ID _____

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Standard turnaround

Samples Received Cold? (YES) NO

Cooler TB

Temperature°C: 4.2°C

Chain of Custody Seal: (Circle)

INTACT BROKEN (ABSENT)

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms and conditions.htm

White - Retained by Lab
Pink - Retained by Client

SGS Environmental Services, Inc.