GREY
ENGINEERING, INC.

RECEIVED
JUL - 5 2012
DWM SOLID WASTE SECTION

July 3, 2012

Compliance Unit
NCDENR-DWM, Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: MSW Landfill Monitoring
Davie County MSW Landfill
360 Dalton Rd, Mocksville
Project #202.019

Dear Sir/Madam:

With Respect to the closed Davie County MSW Landfill, permit #30-01, and the closed Davie County C&D Landfill, permit #30-03, the following information is included on the enclosed CD: field collection reports, laboratory analysis report; exceedance summary table with history; detection summary table with history; MSW Landfill environmental monitoring reporting form; C&D Landfill environmental monitoring reporting form; vicinity map and monitoring well location map. The sampling was conducted on April 25 and 26, 2012.

All surface water sampling sites are compliant. All C&D monitoring wells are compliant.

With respect to MSW compliance network monitoring wells, you will note that **MW-13A** is a background well presenting Chromium at15.6 ug/l and, in accordance with 15A NCAC 02L .0202 (B) (3), this is taken to be the site specific chromium standard. It may be seen from the Exceedance Summary Table that compliance monitoring wells **MW-4** (Benzene, Vinyl Chloride), **MW-16D** (Benzene, Tetrachloroethene, Vinyl Chloride), and **MW-17** (first occurrence of Lead) show network monitoring well 2L exceedances.

Several special Nature and Extent wells that are not part of the normal compliance network were sampled (see the sampling map provided). 2L exceedances were found in wells **MW-19D** (Tetrachloroethene), and **MW-21** (Benzene)

Since pollutant levels are not yet stable, we suggest further semi annual monitoring in both the compliance network and the nature and extent wells before final nature and extent determination.,

If you should have any questions, do not hesitate to contact me.

Sincerely,
Grey Engineering, Inc

John C. Grey, PE
Cc: Mr. James J. Stockert, Davie County Deputy Manager
Mr. Ed Henriques, S&ME, Environmental Department Manager

P.O. Box 9 • Mocksville, NC 27028 • Phone: (336) 751-2110 • Fax: (336) 751-6348 • www.greyengineering.com

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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Grey Engineering, Inc.

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

Name: John C. Grey, Jr., PE Phone: 336-751-2110

E-mail: jgrey@greyengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Davie County C&D Landfill	360 Dalton Rd., Mocksville, NC 27028	30-03	.0500	April 25, 2012

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.

John C. Grey, Jr., PE — President — 336-751-2110

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

Signature — 7-3-12 Date

254 W. Water St., Mocksville, NC 27028

Facility Representative Address

C-0909

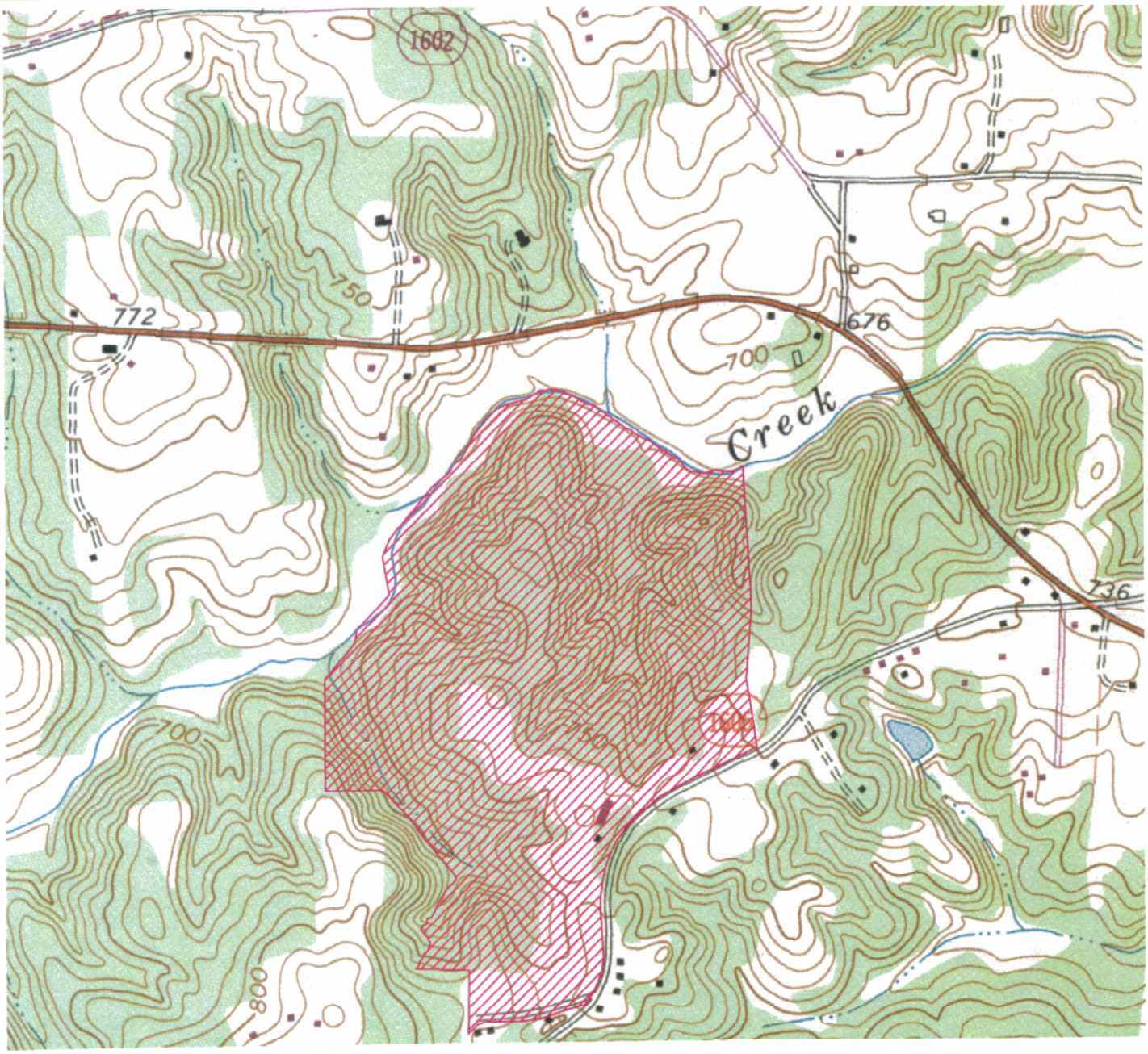
NC PE Firm License Number (if applicable effective May 1, 2009)

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL SEAL 015407 ENGINEER JOHN C. GREY, JR.

7-3-12

Revised 6/2009



MOCKSVILLE QUADRANGLE
NORTH CAROLINA
USGS 7.5 MINUTE TOPOGRAPHIC SERES
1969

0 1000 2000 3000

SCALE: 1"=1000' CONTOURS AT 2'

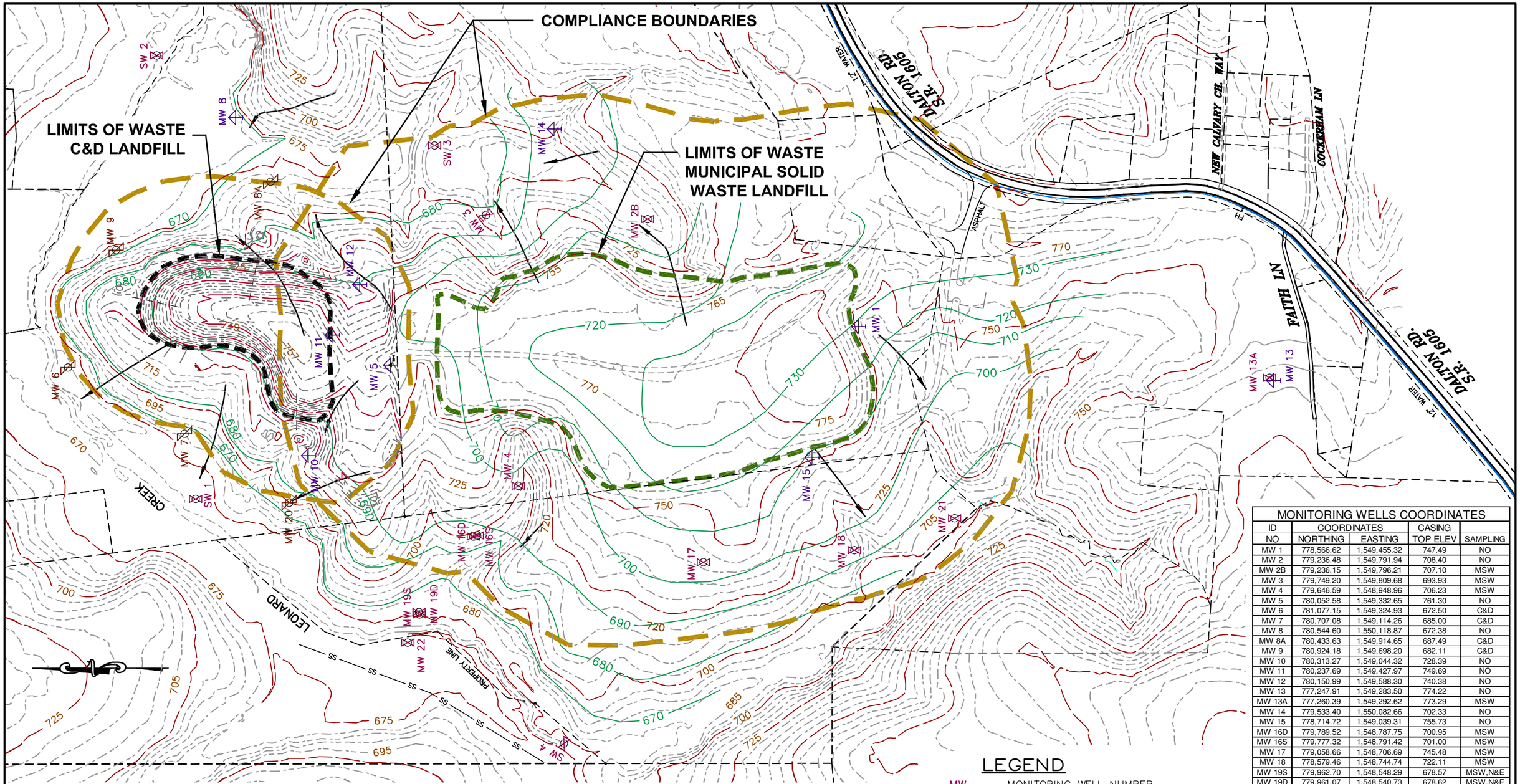
GREY ENGINEERING, INC.
Civil Design and Surveying
P.O. Box 9 Mocksville, N.C. 27028
greyengineering.com (336)751-2110

DRAWN BY: C. DAVIDSON
DESIGN BY: C. DAVIDSON
PROJ. NO.: 202.019
DATE: 06-22-04

DAVIE COUNTY LANDFILL

MOCKSVILLE, NORTH CAROLINA
SITE LOCATION MAP

SHEET 1 OF 1



MONITORING WELLS COORDINATES				
ID	COORDINATES		CASING	
NO	NORTHING	EASTING	TOP ELEV	SAMPLING
MW 1	778,566.62	1,549,455.32	747.49	NO
MW 2	779,236.48	1,549,791.94	708.40	NO
MW 2B	779,236.15	1,549,796.21	707.10	MSW
MW 3	779,749.20	1,549,809.68	693.93	MSW
MW 4	779,646.59	1,548,948.96	706.23	MSW
MW 5	780,052.58	1,549,332.65	761.30	NO
MW 6	781,077.15	1,549,324.93	672.50	C&D
MW 7	780,707.08	1,549,114.26	685.00	C&D
MW 8	780,544.60	1,550,118.87	672.38	NO
MW 8A	780,433.63	1,549,914.65	687.49	C&D
MW 9	780,924.18	1,549,698.20	682.11	C&D
MW 10	780,313.27	1,549,044.32	728.39	NO
MW 11	780,237.69	1,549,427.97	749.69	NO
MW 12	780,150.99	1,549,588.30	740.38	NO
MW 13	777,247.91	1,549,283.50	774.22	NO
MW 13A	777,260.39	1,549,292.62	773.29	MSW
MW 14	779,533.40	1,550,082.66	702.33	NO
MW 15	778,714.72	1,549,039.31	755.73	NO
MW 16D	779,789.52	1,548,787.75	700.95	MSW
MW 16S	779,777.32	1,548,791.42	701.00	MSW
MW 17	779,058.66	1,548,706.69	745.48	MSW
MW 18	778,579.46	1,548,744.74	722.11	MSW
MW 19S	779,962.70	1,548,548.29	678.57	MSW,N&E
MW 19D	779,961.07	1,548,540.73	678.62	MSW,N&E
MW 20	780,374.89	1,548,895.47	703.05	C&D,N&E
MW 21	778,260.86	1,548,845.74	704.55	MSW,N&E
MW 22	779,998.25	1,548,451.21	673.83	MSW,N&E
SW 1	780,671.78	1,548,907.64		NO
SW 2	780,795.77	1,550,316.07		NO
SW 3	779,912.71	1,550,030.14		NO
SW 4	779,501.70	1,548,130.73		NO

GENERAL NOTES:

1. EXISTING WELL NO'S 1 THROUGH 15, SW1 THROUGH SW4, ORIGINALLY FROM KUHN CONSTRUCTION SURVEYS, DAVIE COUNTY LANDFILL SURVEY, JOB 089-L, DWG 1997-4+; 10-97. ELEVATION ADJUSTED TO GEOID 2009.
2. EXISTING WELL NO'S 16S, 16D, 17, AND 18 SURVEYED BY GREY ENGINEERING, 12/11/03.
3. EXISTING WELL NO'S 8A, 19S, 19D, 20, 21 AND 18 SURVEYED BY GREY ENGINEERING IN 2009 THROUGH 2012.
4. TOPOGRAPHY AND ROAD LOCATIONS ARE APPROXIMATE. TOPOGRAPHY FROM MOCKSVILLE NC QUADRANGLE; USGS 7.5 MINUTE TOPOGRAPHIC SERIES, 1994.
5. NORTH IS BASED ON NATIONAL GEODETIC SURVEY 'NORTH CAROLINA GEOID 2009'.
6. ELEVATIONS SHOWN AT TIME OF SAMPLING

\202075ge\Pln geoid12\Well Loc

LEGEND

MW	MONITORING WELL NUMBER
SW	SURFACE WATER NUMBER
740	TOPOGRAPHIC CONTOUR LINE
680	GROUNDWATER CONTOUR LINE
	GROUNDWATER FLOW DIRECTION
MSW	MSW SAMPLING
C&D	C&D SAMPLING
NO	NOT SAMPLED
N&E	NATURE & EXTENT

0 300 600 900

SCALE: 1"=300' CONTOURS AT 10'

DAVIE COUNTY LANDFILL
MOCKSVILLE, NORTH CAROLINA

SAMPLE LOCATIONS/GROUNDWATER CONTOUR MAP
JAN 2012

GREY ENGINEERING, INC.
greyengineering.com Mocksville, N.C. (336)751-2110

SHEET: 1 of 1

Davie County C and D Landfill Semi-Annual Monitoring
April 2012 Sampling Event
Detection Summary Table with History

WELL ID	SWID	CAS	PARAMETER	Nov-07 RESULT	Apr-08 RESULT	Aug-08 RESULT	Nov-08 RESULT	May-09 RESULT	Oct-09 RESULT	Apr-10 RESULT	Nov-10 RESULT	Apr-11 RESULT	Nov-11 RESULT	Apr-12 RESULT	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-6	3	67-64-1	Acetone	*	8.40	NR	*	*	*	*	2.50	*	*	*		1.500	5.0	100	6000		ug/L
MW-6	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	4.64	*		2.800	10.0	10	10		ug/L
MW-6	15	7440-39-3	Barium	65.40	34.10	NR	82.6	43.1	80.3	28.8	71.7	41	97.10	46.40	J	1.000	10.0	100	700		ug/L
MW-6	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	0.64	*	*	*		0.340	1.0	1	3		ug/L
MW-6	51	7440-47-3	Chromium	*	*	2.0	*	*	*	*	*	1.12	*	1.02	J	1.000	10.0	10	10		ug/L
MW-7	3	67-64-1	Acetone	*	8.40	NR	*	*	*	*	2.50	4.80	*	*		1.500	5.0	100	6000		ug/L
MW-7	14	7440-38-2	Arsenic	*	*	*	*	*	3.80	*	*	*	*	*		2.800	10.0	10	10		ug/L
MW-7	15	7440-39-3	Barium	39.80	9.90	NR	37.2	13.1	177.0	9.11	43.40	9.87	73.50	13.00	J	1.000	10.0	100	700		ug/L
MW-7	34	7440-43-9	Cadmium	*	*	*	*	0.09	**5.31**	*	0.37	*	1.14	*		0.360	1.0	1	2.00		ug/L
MW-7	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	0.73	*	*	*		0.340	1.0	1.0	3.00		ug/L
MW-7	51	7440-47-3	Chromium	*	5.00	NR	*	*	13.60	*	3.20	*	4.48	*		1.000	10.0	10	10		ug/L
MW-7	131	7439-92-1	Lead	*	*	*	4.8	*	**23.0**	*	4.90	*	6.91	*		1.900	10.0	10	15		ug/L
MW-7	196	108-88-3	Toluene	*	*	*	0.53	30.00	*	*	*	*	*	*		0.270	1.0	1	1000		ug/L
MW-7	183	7782-49-2	Selenium	*	*	*	*	4.0	3.95	*	*	*	*	*		2.700	10.0	10	20		ug/L
MW-8A	15	7440-39-3	Barium	*	*	*	*	*	*	*	*	*	136.00	84.70	J	1.000	10.0	10	700		ug/L
MW-8A	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	4.15	1.56	J	1.000	10.0	10	10		ug/L
MW-8A	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	6.64	*		1.900	10.0	10	15		ug/L
MW-8A	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	3.23	J	2.700	10.0	10	20		
MW-9	14	7440-38-2	Arsenic									*	3.14	*		2.800	10.0	10	10		ug/L
MW-9	15	7440-39-3	Barium	*	4.50	NR	*	4.71	*	4.13	5.16	5.22	4.81	5.37	J	1.000	10.0	100	700		ug/L
MW-9	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	1.50	*	*	*		0.340	1.0	1.0	3.00		ug/L
MW-9	51	7440-47-3	Chromium	*	5.00	NR	*	1.2	*	1.83	2.48	1.73	1.69	1.58	J	1.000	10.0	10	10		ug/L
MW-9	196	108-88-3	Toluene	*	*	*	*	*	*	*	*	*	*	0.64	J	0.270	1.0	1	1000		
MW-20**	15	7440-39-3	Barium	*	*	*	*	*	*	*	*	*	31.4	44.1	J	1.000	10.0	100	700		ug/L
MW-20**	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	1.07	J	1.000	10.0	10	10		
MW-20**	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	2.68	J	1.900	10.0	10	15		

** Nature and Extent Well

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Wednesday, May 9, 2012

Grey Engineering (GR009)

Attn: Joy Howard

254 West Water Street

Mocksville, NC 27028

RE: Laboratory Results for
Project Number: 1584-03-109, Project Name/Desc: Davie County Landfill - C&D
ENCO Workorder(s): C204753

Dear Joy Howard,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 27, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 29.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3003-MW6 | **Lab ID: C204753-01** | **Sampled: 04/25/12 14:40** | **Received: 04/27/12 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/22/12	04/30/12 08:14	5/3/2012 12:02
EPA 7470A	05/23/12	05/08/12 08:33	5/8/2012 14:48
EPA 8260B	05/09/12	05/03/12 16:54	5/4/2012 11:03

Client ID: 3003-MW7 | **Lab ID: C204753-02** | **Sampled: 04/25/12 13:45** | **Received: 04/27/12 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/22/12	04/30/12 08:14	5/3/2012 12:03
EPA 7470A	05/23/12	05/08/12 08:33	5/8/2012 14:50
EPA 8260B	05/09/12	05/03/12 16:54	5/4/2012 11:32

Client ID: 3003-MW8A | **Lab ID: C204753-03** | **Sampled: 04/25/12 17:00** | **Received: 04/27/12 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/22/12	04/30/12 08:14	5/3/2012 12:05
EPA 7470A	05/23/12	05/08/12 08:33	5/8/2012 14:56
EPA 8260B	05/09/12	05/03/12 16:54	5/4/2012 12:02

Client ID: 3003-MW9 | **Lab ID: C204753-04** | **Sampled: 04/25/12 15:35** | **Received: 04/27/12 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/22/12	04/30/12 08:14	5/3/2012 12:07
EPA 7470A	05/23/12	05/08/12 08:33	5/8/2012 14:58
EPA 8260B	05/09/12	05/03/12 16:54	5/4/2012 12:31

Client ID: 3003-MW20 | **Lab ID: C204753-05** | **Sampled: 04/25/12 12:40** | **Received: 04/27/12 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/22/12	04/30/12 08:14	5/3/2012 12:09
EPA 7470A	05/23/12	05/08/12 08:33	5/8/2012 15:00
EPA 8260B	05/09/12	05/03/12 16:54	5/4/2012 13:00

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 3003-MW6 **Lab ID: C204753-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	46.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.02	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 3003-MW7 **Lab ID: C204753-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	13.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3003-MW8A **Lab ID: C204753-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	84.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.56	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Selenium - Total	3.23	J	1	2.70	10.0	10	ug/L	EPA 6010C	

Client ID: 3003-MW9 **Lab ID: C204753-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	5.37	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.58	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Toluene	0.64	J	1	0.14	1.0	1	ug/L	EPA 8260B	

Client ID: 3003-MW20 **Lab ID: C204753-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	44.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.07	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.68	J	1	1.90	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 3003-MW6 | **Lab Sample ID:** C204753-01 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 14:40 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/04/12 11:03	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/04/12 11:03	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/04/12 11:03	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 11:03	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/04/12 11:03	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/04/12 11:03	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/04/12 11:03	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/04/12 11:03	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/04/12 11:03	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/04/12 11:03	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/04/12 11:03	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/04/12 11:03	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/04/12 11:03	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/04/12 11:03	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/04/12 11:03	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 11:03	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/04/12 11:03	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/04/12 11:03	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/04/12 11:03	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 11:03	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/04/12 11:03	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/04/12 11:03	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	05/04/12 11:03	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	05/04/12 11:03	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/04/12 11:03	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 11:03	JKG	

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Description: 3003-MW6 | **Lab Sample ID:** C204753-01 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 14:40 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/04/12 11:03	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/04/12 11:03	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/04/12 11:03	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/04/12 11:03	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*2E03040*	*EPA 8260B*	*05/04/12 11:03*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*2E03040*	*EPA 8260B*	*05/04/12 11:03*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*67-127*	*2E03040*	*EPA 8260B*	*05/04/12 11:03*	*JKG*	

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Description: 3003-MW6
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C204753-01
Sampled: 04/25/12 14:40
Sampled By: Gary Simcox

Received: 04/27/12 12:30
Work Order: C204753

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	05/08/12 14:48	KER	

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Description: 3003-MW6 | **Lab Sample ID:** C204753-01 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 14:40 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/03/12 12:02	JDH	
Barium [7440-39-3] ^	**46.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/03/12 12:02	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/03/12 12:02	JDH	
Chromium [7440-47-3] ^	**1.02**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/03/12 12:02	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:02	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	05/03/12 12:02	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:02	JDH	

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Description: 3003-MW7 | **Lab Sample ID:** C204753-02 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 13:45 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/04/12 11:32	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/04/12 11:32	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/04/12 11:32	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 11:32	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/04/12 11:32	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/04/12 11:32	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/04/12 11:32	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/04/12 11:32	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/04/12 11:32	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/04/12 11:32	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/04/12 11:32	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/04/12 11:32	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/04/12 11:32	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/04/12 11:32	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/04/12 11:32	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 11:32	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/04/12 11:32	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/04/12 11:32	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/04/12 11:32	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 11:32	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/04/12 11:32	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/04/12 11:32	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	05/04/12 11:32	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	05/04/12 11:32	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/04/12 11:32	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 11:32	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/04/12 11:32	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 11:32	JKG	

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Description: 3003-MW7 | **Lab Sample ID:** C204753-02 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 13:45 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/04/12 11:32	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/04/12 11:32	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/04/12 11:32	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*2E03040*	*EPA 8260B*	*05/04/12 11:32*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*2E03040*	*EPA 8260B*	*05/04/12 11:32*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*67-127*	*2E03040*	*EPA 8260B*	*05/04/12 11:32*	*JKG*	

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Description: 3003-MW7
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C204753-02
Sampled: 04/25/12 13:45
Sampled By: Gary Simcox

Received: 04/27/12 12:30
Work Order: C204753

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	05/08/12 14:50	KER	

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Description: 3003-MW7 | **Lab Sample ID:** C204753-02 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 13:45 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/03/12 12:03	JDH	
Barium [7440-39-3] ^	**13.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/03/12 12:03	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/03/12 12:03	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/03/12 12:03	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:03	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	05/03/12 12:03	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:03	JDH	

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Description: 3003-MW8A
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C204753-03
Sampled: 04/25/12 17:00
Sampled By: Gary Simcox

Received: 04/27/12 12:30
Work Order: C204753

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/04/12 12:02	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/04/12 12:02	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/04/12 12:02	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 12:02	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/04/12 12:02	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/04/12 12:02	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/04/12 12:02	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/04/12 12:02	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/04/12 12:02	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/04/12 12:02	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/04/12 12:02	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/04/12 12:02	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/04/12 12:02	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/04/12 12:02	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/04/12 12:02	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 12:02	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/04/12 12:02	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/04/12 12:02	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/04/12 12:02	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 12:02	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/04/12 12:02	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/04/12 12:02	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	05/04/12 12:02	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	05/04/12 12:02	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/04/12 12:02	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 12:02	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/04/12 12:02	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 12:02	JKG	

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Description: 3003-MW8A
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C204753-03
Sampled: 04/25/12 17:00
Sampled By: Gary Simcox

Received: 04/27/12 12:30
Work Order: C204753

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/04/12 12:02	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/04/12 12:02	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/04/12 12:02	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*2E03040*	*EPA 8260B*	*05/04/12 12:02*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*99 %*	*68-117*	*2E03040*	*EPA 8260B*	*05/04/12 12:02*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*67-127*	*2E03040*	*EPA 8260B*	*05/04/12 12:02*	*JKG*	

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Description: 3003-MW8A
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C204753-03
Sampled: 04/25/12 17:00
Sampled By: Gary Simcox

Received: 04/27/12 12:30
Work Order: C204753

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	05/08/12 14:56	KER	

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Description: 3003-MW8A
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C204753-03
Sampled: 04/25/12 17:00
Sampled By: Gary Simcox

Received: 04/27/12 12:30
Work Order: C204753

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/03/12 12:05	JDH	
Barium [7440-39-3] ^	**84.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/03/12 12:05	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/03/12 12:05	JDH	
Chromium [7440-47-3] ^	**1.56**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/03/12 12:05	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:05	JDH	
Selenium [7782-49-2] ^	**3.23**	J	ug/L	1	2.70	10.0	10	EPA 6010C	05/03/12 12:05	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:05	JDH	

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Description: 3003-MW9 | **Lab Sample ID:** C204753-04 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 15:35 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/04/12 12:31	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/04/12 12:31	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/04/12 12:31	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 12:31	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/04/12 12:31	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/04/12 12:31	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/04/12 12:31	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/04/12 12:31	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/04/12 12:31	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/04/12 12:31	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/04/12 12:31	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/04/12 12:31	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/04/12 12:31	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/04/12 12:31	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/04/12 12:31	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 12:31	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/04/12 12:31	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/04/12 12:31	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/04/12 12:31	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 12:31	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/04/12 12:31	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/04/12 12:31	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	05/04/12 12:31	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	05/04/12 12:31	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/04/12 12:31	JKG	
Toluene [108-88-3] ^	**0.64**	J	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 12:31	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/04/12 12:31	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 12:31	JKG	

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Description: 3003-MW9 | **Lab Sample ID:** C204753-04 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 15:35 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/04/12 12:31	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/04/12 12:31	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/04/12 12:31	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*2E03040*	*EPA 8260B*	*05/04/12 12:31*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*68-117*	*2E03040*	*EPA 8260B*	*05/04/12 12:31*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*67-127*	*2E03040*	*EPA 8260B*	*05/04/12 12:31*	*JKG*	

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Description: 3003-MW9
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C204753-04
Sampled: 04/25/12 15:35
Sampled By: Gary Simcox

Received: 04/27/12 12:30
Work Order: C204753

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	05/08/12 14:58	KER	

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Description: 3003-MW9 | **Lab Sample ID:** C204753-04 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 15:35 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/03/12 12:07	JDH	
Barium [7440-39-3] ^	**5.37**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/03/12 12:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/03/12 12:07	JDH	
Chromium [7440-47-3] ^	**1.58**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/03/12 12:07	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:07	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	05/03/12 12:07	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:07	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 3003-MW20 | **Lab Sample ID:** C204753-05 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 12:40 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/04/12 13:00	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/04/12 13:00	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/04/12 13:00	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 13:00	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/04/12 13:00	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/04/12 13:00	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/04/12 13:00	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/04/12 13:00	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/04/12 13:00	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/04/12 13:00	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/04/12 13:00	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/04/12 13:00	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/04/12 13:00	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/04/12 13:00	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/04/12 13:00	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 13:00	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/04/12 13:00	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/04/12 13:00	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/04/12 13:00	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/04/12 13:00	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/04/12 13:00	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/04/12 13:00	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	05/04/12 13:00	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	05/04/12 13:00	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/04/12 13:00	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/04/12 13:00	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/04/12 13:00	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/04/12 13:00	JKG	

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Description: 3003-MW20 | **Lab Sample ID:** C204753-05 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 12:40 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/04/12 13:00	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/04/12 13:00	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/04/12 13:00	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*51-122*	*2E03040*	*EPA 8260B*	*05/04/12 13:00*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*2E03040*	*EPA 8260B*	*05/04/12 13:00*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*95 %*	*67-127*	*2E03040*	*EPA 8260B*	*05/04/12 13:00*	*JKG*	

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Description: 3003-MW20
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C204753-05
Sampled: 04/25/12 12:40
Sampled By: Gary Simcox

Received: 04/27/12 12:30
Work Order: C204753

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	05/08/12 15:00	KER	

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Description: 3003-MW20 | **Lab Sample ID:** C204753-05 | **Received:** 04/27/12 12:30

Matrix: Ground Water | **Sampled:** 04/25/12 12:40 | **Work Order:** C204753

Project: Davie County Landfill - C&D | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/03/12 12:09	JDH	
Barium [7440-39-3] ^	**44.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/03/12 12:09	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/03/12 12:09	JDH	
Chromium [7440-47-3] ^	**1.07**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/03/12 12:09	JDH	
Lead [7439-92-1] ^	**2.68**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:09	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	05/03/12 12:09	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/03/12 12:09	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E03040 - EPA 5030B_MS

Blank (2E03040-BLK1) Prepared: 05/03/2012 16:54 Analyzed: 05/04/2012 02:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E03040 - EPA 5030B_MS

Blank (2E03040-BLK1) Continued Prepared: 05/03/2012 16:54 Analyzed: 05/04/2012 02:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*95*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*93*	*67-127*			

LCS (2E03040-BS1) Prepared: 05/03/2012 16:54 Analyzed: 05/04/2012 03:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		109	75-133			
Benzene	20		1.0	ug/L	20.0		100	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		98	83-117			
Toluene	20		1.0	ug/L	20.0		98	71-118			
Trichloroethene	19		1.0	ug/L	20.0		93	82-118			
Surrogate: 4-Bromofluorobenzene	*49*			*ug/L*	*50.0*		*97*	*51-122*			
Surrogate: Dibromofluoromethane	*50*			*ug/L*	*50.0*		*101*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*95*	*67-127*			

Matrix Spike (2E03040-MS1) Prepared: 05/03/2012 16:54 Analyzed: 05/04/2012 03:43

Source: C204966-12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.21 U	126	75-133			
Benzene	22		1.0	ug/L	20.0	0.15 U	109	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	106	83-117			
Toluene	21		1.0	ug/L	20.0	0.14 U	106	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	103	82-118			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*93*	*67-127*			

Matrix Spike Dup (2E03040-MSD1) Prepared: 05/03/2012 16:54 Analyzed: 05/04/2012 04:12

Source: C204966-12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.21 U	114	75-133	10	20	
Benzene	21		1.0	ug/L	20.0	0.15 U	104	81-134	4	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	99	83-117	7	16	
Toluene	20		1.0	ug/L	20.0	0.14 U	99	71-118	7	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	82-118	5	15	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*96*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*67-127*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2E03008 - EPA 7470A

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2E03008 - EPA 7470A

Blank (2E03008-BLK1) Prepared: 05/08/2012 08:33 Analyzed: 05/08/2012 13:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (2E03008-BS1) Prepared: 05/08/2012 08:33 Analyzed: 05/08/2012 13:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.63		0.200	ug/L	5.00		93	80-120			

Matrix Spike (2E03008-MS1) Prepared: 05/08/2012 08:33 Analyzed: 05/08/2012 14:02

Source: C204752-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.22		0.200	ug/L	5.00	0.170 U	84	75-125			

Matrix Spike Dup (2E03008-MSD1) Prepared: 05/08/2012 08:33 Analyzed: 05/08/2012 14:04

Source: C204752-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.02		0.200	ug/L	5.00	0.170 U	80	75-125	5	25	

Post Spike (2E03008-PS1) Prepared: 05/08/2012 08:33 Analyzed: 05/08/2012 14:06

Source: C204752-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.76		0.200	ug/L	5.00	-0.0300	76	75-125			

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D30005 - EPA 3005A

Blank (2D30005-BLK1) Prepared: 04/30/2012 08:14 Analyzed: 05/03/2012 11:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Selenium	2.70	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							

LCS (2D30005-BS1) Prepared: 04/30/2012 08:14 Analyzed: 05/03/2012 11:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	200		10.0	ug/L	200		100	80-120			
Barium	208		10.0	ug/L	200		104	80-120			
Cadmium	21.3		1.00	ug/L	20.0		107	80-120			
Chromium	198		10.0	ug/L	200		99	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D30005 - EPA 3005A

LCS (2D30005-BS1) Continued Prepared: 04/30/2012 08:14 Analyzed: 05/03/2012 11:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	201		10.0	ug/L	200		101	80-120			
Selenium	201		10.0	ug/L	200		101	80-120			
Silver	203		10.0	ug/L	200		101	80-120			

Matrix Spike (2D30005-MS1) Prepared: 04/30/2012 08:14 Analyzed: 05/03/2012 11:40

Source: C203924-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	202		10.0	ug/L	200	4.45	99	75-125			
Barium	230		10.0	ug/L	200	20.7	105	75-125			
Cadmium	21.4		1.00	ug/L	20.0	0.360 U	107	75-125			
Chromium	202		10.0	ug/L	200	1.00 U	101	75-125			
Lead	204		10.0	ug/L	200	1.90 U	102	75-125			
Selenium	198		10.0	ug/L	200	2.70 U	99	75-125			
Silver	204		10.0	ug/L	200	1.90 U	102	75-125			

Matrix Spike Dup (2D30005-MSD1) Prepared: 04/30/2012 08:14 Analyzed: 05/03/2012 11:42

Source: C203924-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	200		10.0	ug/L	200	4.45	98	75-125	1	20	
Barium	231		10.0	ug/L	200	20.7	105	75-125	0.3	20	
Cadmium	21.6		1.00	ug/L	20.0	0.360 U	108	75-125	0.9	20	
Chromium	202		10.0	ug/L	200	1.00 U	101	75-125	0.02	20	
Lead	202		10.0	ug/L	200	1.90 U	101	75-125	0.9	20	
Selenium	201		10.0	ug/L	200	2.70 U	100	75-125	1	20	
Silver	204		10.0	ug/L	200	1.90 U	102	75-125	0.04	20	

Post Spike (2D30005-PS1) Prepared: 04/30/2012 08:14 Analyzed: 05/03/2012 11:44

Source: C203924-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.202		0.0100	mg/L	0.200	0.00445	99	80-120			
Barium	0.228		0.0100	mg/L	0.200	0.0207	104	80-120			
Cadmium	0.0214		0.00100	mg/L	0.0200	0.000167	106	80-120			
Chromium	0.200		0.0100	mg/L	0.200	0.000346	100	80-120			
Lead	0.201		0.0100	mg/L	0.200	0.00149	100	80-120			
Selenium	0.198		0.0100	mg/L	0.200	-0.000239	99	80-120			
Silver	0.209		0.0100	mg/L	0.200	1.73E-6	105	80-120			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

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102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

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Client Name: Grey Engineering (GR009)	Project Number: 1584-03-109
Address: 254 West Water Street	Project Name/Desc: Davie County Landfill - C&D
City/ST/Zip: Mocksville, NC 27028	PO # / Billing Info
Tel: (336) 751-2110 / Fax: (336) 751-6348	Reporting Contact: Joy Howard
Sampler(s) Name, Affiliation (Print): Gary Simcox / STME, Inc.	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone

Requested Analyses: 8260B Appendix 1, 8260B Extended; Ag,As,Ba,Cd,Cr,Pb,Se; Hg

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C204753

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1, 8260B Extended	Ag,As,Ba,Cd,Cr,Pb,Se	Hg								Sample Comments
	3003-MW6	4/25/12	1440	G	GW	4	X	X	X								
	3003-MW7	4/25/12	1345	G	GW	4	X	X	X								
	3003-MW8A	4/25/12	1700	G	GW	4	X	X	X								
	3003-MW9	4/25/12	1535	G	GW	4	X	X	X								
	3003-MW20	4/25/12	1240	G	GW	4	X	X	X								

<-- Total # of Containers

Sample Kit Prepared By	Date/Time 4/23/12	Relinquished By	Date/Time 4/27/12 0800	Received By: Briana Gregory	Date/Time 4/27/12 12:30
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #s & Temps on Receipt: KC-12L 2.4°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments) **Preservation:** **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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