GREY
ENGINEERING, INC.

January 21, 2014

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 November 26, 2013.

All surface water sampling sites are compliant. All C&D monitoring wells are compliant with the exception of **MW-9** which registered a 2L exceedance of Chromium.

With respect to MSW compliance network monitoring wells, you will note that according to the Exceedance Summary Table, compliance monitoring wells **MW-3** (Chromium), **MW-4** (Benzene), **MW-16D** (Tetrachloroethene) show network monitoring well 2L exceedances. Additionally, background well **MW-13A** shows a 2L exceedance of Chromium for this sampling event.

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

You will further note that **MW-21,** a special well on the adjacent property down gradient from **MW-16D** and **MW 19-D** shows no exceedances.

The County has coordinated with Ms. Elizabeth Werner in its response strategy and intends to continue that coordination in the near future.

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

Sincerely,
Grey Engineering, Inc

John C. Grey, PE
Cc: Mr. Cecil Wood, Interim Davie County 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	November 26, 2013

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 — 1/24/14 Date

Affix NC Licensed/ Professional Geologist Seal

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

1-24-14

Post Office Box 9, Mocksville, NC 27028

Facility Representative Address

C-0909

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

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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Grey Engineering, Inc.

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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 MSW Landfill	360 Dalton Rd., Mocksville, NC 27028	30-01	.0500	November 26, 2013

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 — 1/24/14 Date

Affix NC Licensed Professional Geologist Seal

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

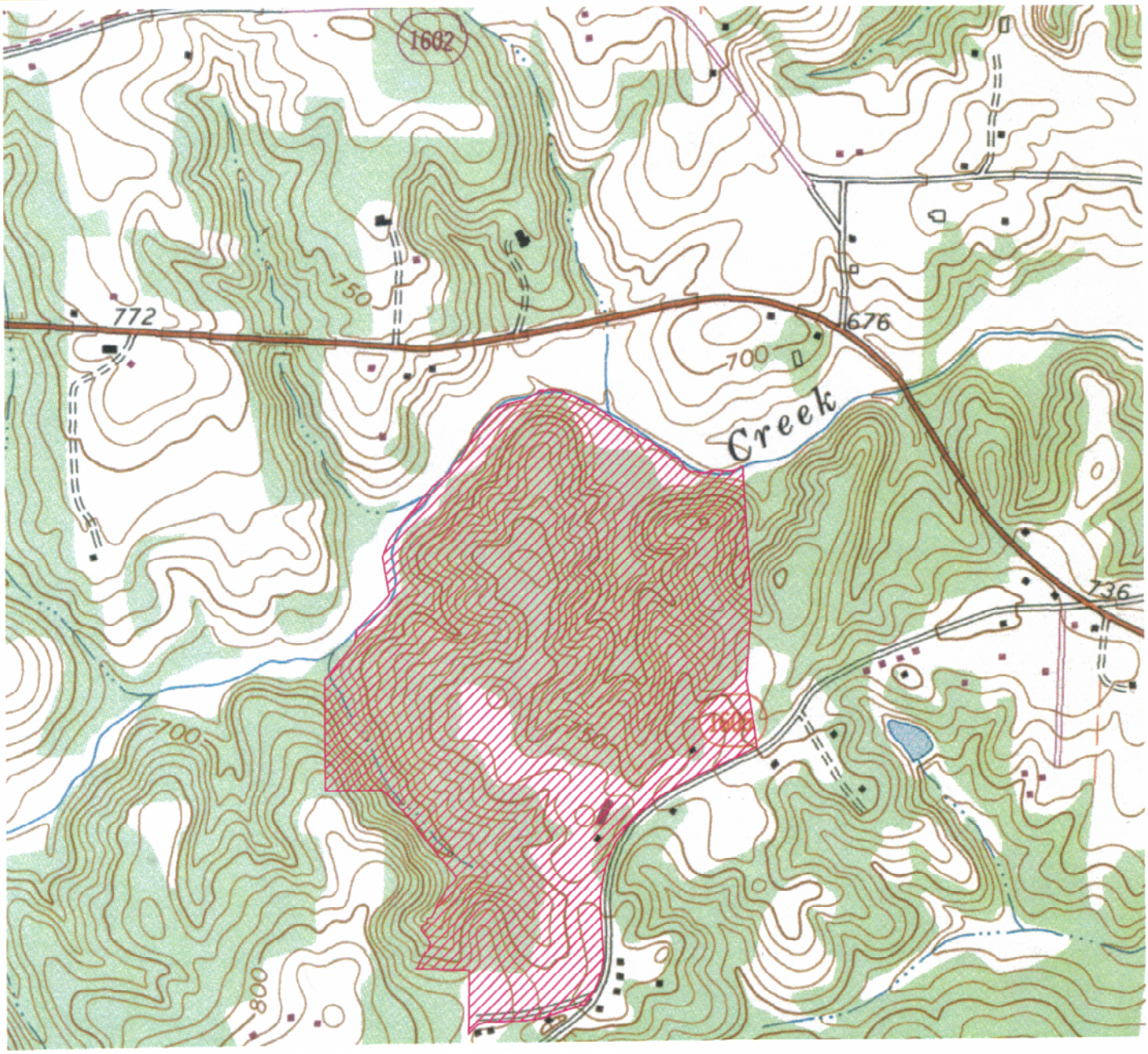
1-24-14

Post Office Box 9, Mocksville, NC 27028

Facility Representative Address

C-0909

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



MOCKSVILLE QUADRANGLE
NORTH CAROLINA
USGS 7.5 MINUTE TOPOGRAPHIC SERES
1969

0 1000 2000 3000

SCALE: 1"=1000' CONTOURS AT 2'

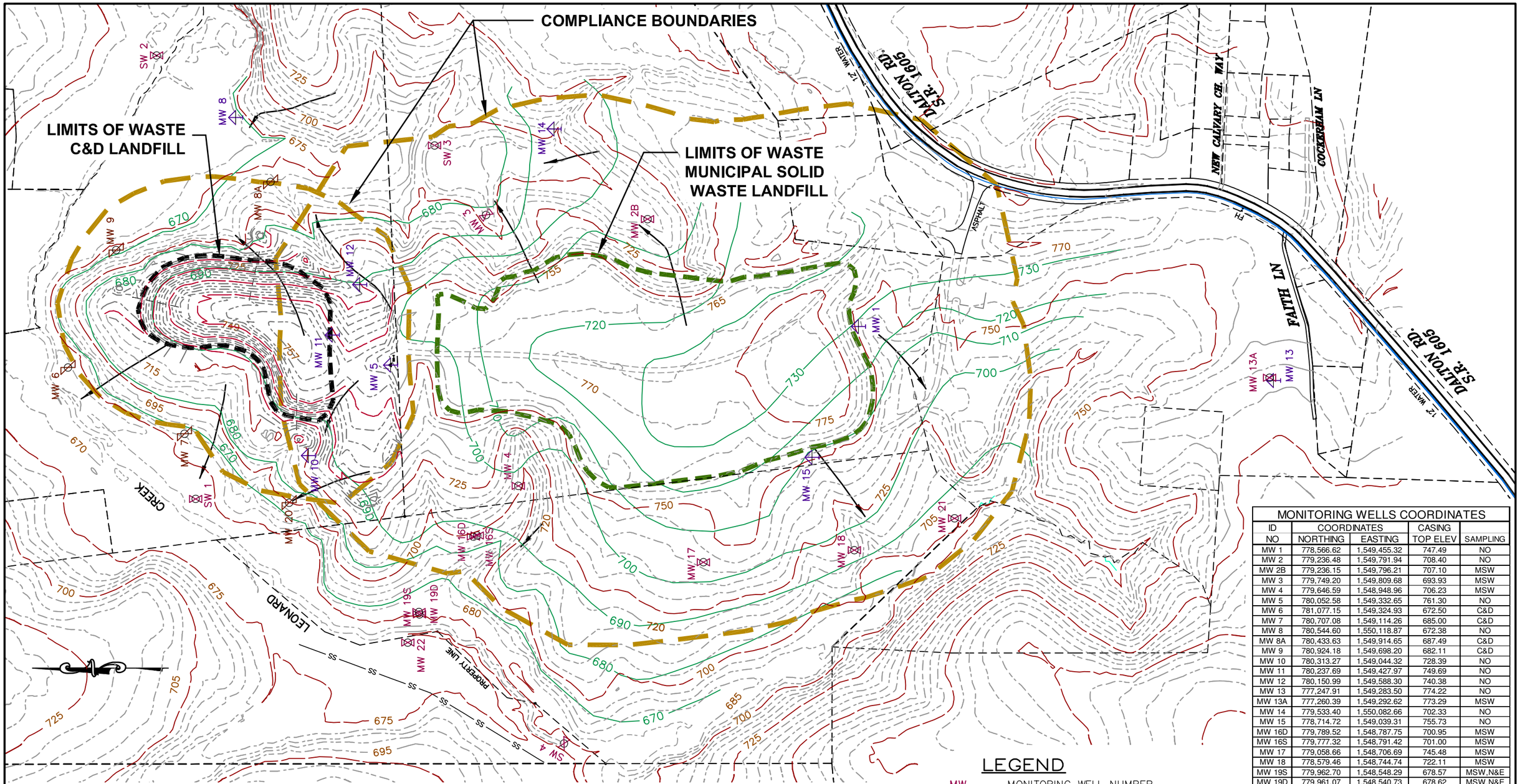
GREY ENGINEERING, INC.
Civil Design and Surveying
P.O. Box 9 Mocksville, N.C. 27028
greyengineering.com (336)751-2110

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
November 2013 Sampling Event
Detection Summary Table with History

WELL ID	SWID	CAS	PARAMETER	Oct-09 RESULT	Apr-10 RESULT	Nov-10 RESULT	Apr-11 RESULT	Nov-11 RESULT	Apr-12 RESULT	Nov-12 RESULT	Jun-13 RESULT	Nov-14 RESULT	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-6	3	67-64-1	Acetone	ND	ND	2.50	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
MW-6	14	7440-38-2	Arsenic	ND	ND	ND	ND	4.64	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-6	15	7440-39-3	Barium	80.3	28.8	71.7	41	97.10	46.40	98.90	42.40	54.80	J	1.000	10.0	100	700		ug/L
MW-6	137	74-87-3	Chloromethane	ND	ND	0.64	ND	ND	ND	ND	ND	ND		0.340	1.0	1	3		ug/L
MW-6	51	7440-47-3	Chromium	ND	ND	ND	1.12	ND	1.02	0.60	ND	ND		1.000	10.0	10	10		ug/L
MW-7	3	67-64-1	Acetone	ND	ND	2.50	4.80	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
MW-7	14	7440-38-2	Arsenic	3.80	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-7	15	7440-39-3	Barium	177.0	9.11	43.40	9.87	73.50	13.00	22.00	12.20	11.60	J	1.000	10.0	100	700		ug/L
MW-7	34	7440-43-9	Cadmium	5.31	ND	0.37	ND	1.14	ND	1.87	ND	0.39	J	0.360	1.0	1	2.00		ug/L
MW-7	137	74-87-3	Chloromethane	ND	ND	0.73	ND	ND	ND	ND	ND	ND		0.340	1.0	1.0	3		ug/L
MW-7	51	7440-47-3	Chromium	13.60	ND	3.20	ND	4.48	ND	ND	ND	ND		1.000	10.0	10	10		ug/L
MW-7	131	7439-92-1	Lead	23.0	ND	4.90	ND	6.91	ND	ND	ND	ND		1.900	10.0	10	15		ug/L
MW-7	196	108-88-3	Toluene	ND	ND	ND	ND	ND	ND	ND	20.00	ND		0.270	1.0	1	1000		ug/L
MW-7	183	7782-49-2	Selenium	3.95	ND	ND	ND	ND	ND	ND	ND	ND		2.700	10.0	10	20		ug/L
MW-8A	15	7440-39-3	Barium	ND	ND	ND	ND	136.00	84.70	112.00	55.60	97.70	J	1.000	10.0	10	700		ug/L
MW-8A	51	7440-47-3	Chromium	ND	ND	ND	ND	4.15	1.56	4.30	0.439	4.420	J	1.000	10.0	10	10		ug/L
MW-8A	131	7439-92-1	Lead	ND	ND	ND	ND	6.64	ND	3.86	ND	ND		1.900	10.0	10	15		ug/L
MW-8A	183	7782-49-2	Selenium	ND	ND	ND	ND	ND	3.23	ND	ND	ND		2.700	10.0	10	20		ug/L
MW-9	14	7440-38-2	Arsenic	ND	ND	ND	ND	3.14	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-9	15	7440-39-3	Barium	ND	4.13	5.16	5.22	4.81	5.37	ND	7.48	13.50	J	1.000	10.0	100	700		ug/L
MW-9	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	1.70		0.360	1.0	1	2.00		ug/L
MW-9	137	74-87-3	Chloromethane	ND	ND	1.50	ND	ND	ND	ND	ND	ND		0.340	1.0	1.0	3		ug/L
MW-9	51	7440-47-3	Chromium	ND	1.83	2.48	1.73	1.69	1.58	ND	1.44	17.60		1.000	10.0	10	10		ug/L
MW-9	196	108-88-3	Toluene	ND	ND	ND	ND	ND	0.64	ND	ND	ND		0.270	1.0	1	1000		ug/L
MW-20**	15	7440-39-3	Barium	ND	ND	ND	ND	31.4	44.1	40.7	28.6	29.1	J	1.000	10.0	100	700		ug/L
MW-20**	51	7440-47-3	Chromium	ND	ND	ND	ND	ND	1.07	ND	ND	ND		1.000	10.0	10	10		ug/L
MW-20**	131	7439-92-1	Lead	ND	ND	ND	ND	ND	2.68	2.75	ND	ND		1.900	10.0	10	15		ug/L

** Nature and Extent Well

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-2	Sample Date:	Monday, November 25, 2013
		Sample Time:	1550
Locked?:	Yes: ____ No: x	Weather:	Cloudy/Cold
Sampled By:	Martin Mabe	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	6.61	feet
Depth to well bottom from measuring point:	22.10	feet
Height of water column:	15.49	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Peristaltic Pump

Sample Method: Peristaltic Pump

Purge Rate: 200.0 ml/min

Control Settings: On: ____ sec.

Off: ____ sec.

Pressure: ____ psi

Purge Time

Start 1520 Stop 1545

Sample Collection Time

Start 1545 Stop 1550

Note: Duplicate taken here @ 0700hrs.

Volume of water in well

2" well:

height: 15.49 x .163 = 2.52487

Volume of water removed: 7.6 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1522	11/25/2013	13.00	6.52	9.99			1.00	
1527	11/25/2013	13.50	6.49	10.71			1.00	
1533	11/25/2013	13.50	6.49	3.61			1.00	
1538	11/25/2013	13.80	6.49	539.00			1.00	
1543	11/25/2013	13.80	6.49	1043.00			1.00	

Final Readings	1543	11/25/2013	13.80	6.49	1043.00			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-3	Sample Date:	Monday, November 25, 2013
		Sample Time:	1140
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	12.49	feet
Depth to well bottom from measuring point:	36.75	feet
Height of water column:	24.26	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Peristaltic Pump

Sample Method: Peristaltic Pump

Purge Rate: 200 ml/min

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start ____ Stop ____

Sample Collection Time

Start ____ Stop ____

Volume of water in well

2" well:

height: 24.26 x .163 = 3.95438

Volume of water removed: 6.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

	Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	1140	11/25/2013	13.50	6.78	987.00			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-4	Sample Date:	Monday, November 25, 2013
		Sample Time:	1100
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	12.04	feet
Depth to well bottom from measuring point:	30.30	feet
Height of water column:	18.26	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Peristaltic Pump

Sample Method: Peristaltic Pump

Purge Rate: 200 ml/min

Control Settings: On: ____ sec.

Off: ____ sec.

Pressure: ____ psi

Purge Time

Start 1030 Stop 1055

Sample Collection Time

Start 1055 Stop 1100

Volume of water in well

2" well:

height: 18.26 x .163 = 2.97638

Volume of water removed: 6.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1035	11/25/2013	12.30	6.39	795.00			1.00	
1040	11/25/2013	12.10	6.41	800.00			1.00	
1045	11/25/2013	12.20	6.44	804.00			1.00	
1050	11/25/2013	12.10	6.46	804.00			1.00	
1055	11/25/2013	12.10	6.46	803.00			1.00	

Final Readings	1055	11/25/2013	12.10	6.46	803.00			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3003 MW-6	Sample Date:	Monday, November 25, 2013
		Sample Time:	1440
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	7.35	feet
Depth to well bottom from measuring point:	15.50	feet
Height of water column:	8.15	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Peristaltic Pump

Sample Method: Peristaltic Pump

Purge Rate: 200 ml/min

Control Settings: On: ____ sec.

Off: ____ sec.

Pressure: ____ psi

Purge Time

Start 1405 Stop 1435

Sample Collection Time

Start 1435 Stop 1440

Volume of water in well

2" well:

height: 8.15 x .163 = 1.32845

Volume of water removed: 6.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1410	11/25/2013	13.10	6.10	130.00			1.00	
1415	11/25/2013	13.60	6.21	134.40			1.00	
1420	11/25/2013	13.90	6.31	131.90			1.00	
1425	11/25/2013	14.00	6.29	132.10			1.00	
1430	11/25/2013	14.40	6.29	132.40			1.00	
1435	11/25/2013	14.40	6.29	132.60			1.00	

Final Readings	1435	11/25/2013	14.40	6.29	132.60			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3003 MW-7	Sample Date:	Monday, November 25, 2013
		Sample Time:	1355
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	17.95	feet
Depth to well bottom from measuring point:	20.60	feet
Height of water column:	2.65	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Peristaltic Pump

Sample Method: Peristaltic Pump

Purge Rate: 100 ml/min

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start 1325 Stop 1350

Sample Collection Time

Start 1350 Stop 1355

Volume of water in well

2" well:

height: 2.65 x .163 = 2.1727085

Volume of water removed: 6.5 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1330	11/25/2013	11.90	6.11	65.50			1.00	
1335	11/25/2013	12.10	6.25	68.20			1.00	
1340	11/25/2013	12.60	6.36	70.90			1.00	
1345	11/25/2013	12.70	6.35	71.20			1.00	
1350	11/25/2013	12.70	6.35	71.60			1.00	

Final Readings	1350	11/25/2013	12.70	6.35	71.60			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3003 MW-8a	Sample Date:	Monday, November 25, 2013
		Sample Time:	1600
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	19.43	feet
Depth to well bottom from measuring point:	32.70	feet
Height of water column:	13.27	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 0.5 gpm

Control Settings: On: ____ sec.

Off: ____ sec.

Pressure: ____ psi

Purge Time

Start 1530 Stop 1555

Sample Collection Time

Start 1555 Stop 1600

Volume of water in well

2" well:

height: 13.27 x .163 = 2.16301

Volume of water removed: 6.5 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1535	11/25/2013	13.70	6.21	148.90			3.00	
1540	11/25/2013	14.40	6.20	149.80			2.00	
1545	11/25/2013	14.50	6.19	146.10			2.00	
1550	11/25/2013	14.50	6.20	146.00			2.00	
1555	11/25/2013	14.51	6.21	146.10			1.00	

Final Readings	1555	11/25/2013	14.51	6.21	146.10			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3003 MW-9	Sample Date:	Monday, November 25, 2013
		Sample Time:	1505
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	14.10	feet
Depth to well bottom from measuring point:	15.90	feet
Height of water column:	1.80	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bailer

Sample Method: Bailer

Purge Rate: 100 ml/min

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start ____ Stop ____

Sample Collection Time

Start ____ Stop ____

Volume of water in well

2" well:

height: 1.8 x .163 = 0.2934

Volume of water removed: 1.5 gallons ____ liters x

Was well purged dry: Yes x No ____

Field Analyses

*Stabilization Parameters

	Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	1505	11/25/2013	14.70	6.02	149.60			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-13a	Sample Date:	Monday, November 25, 2013
		Sample Time:	1435
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Martin Mabe	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	34.78	feet
Depth to well bottom from measuring point:	50.10	feet
Height of water column:	15.32	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bailer

Sample Method: Bailer

Purge Rate: 0.3 gpm

Control Settings: On: _____ sec.

Off: _____ sec.

Pressure: _____ psi

Purge Time

Start _____ Stop _____

Sample Collection Time

Start _____ Stop _____

Volume of water in well

2" well:

height: 15.32 x .163 = 2.49716

Volume of water removed: 7.5 gallons x liters _____

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1425	11/25/2013	13.90	6.78	122.00			1.00	
1427	11/25/2013	14.60	6.63	113.90			1.00	
1429	11/25/2013	14.40	6.73	114.70			1.00	
Final Readings	1429	11/25/2013	14.40	6.73	114.70			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-16s	Sample Date:	Monday, November 25, 2013
		Sample Time:	1015
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	15.34	feet
Depth to well bottom from measuring point:	25.65	feet
Height of water column:	10.31	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 0.5 gpm

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start ____ Stop ____

Sample Collection Time

Start ____ Stop ____

Volume of water in well

2" well:

height: 10.31 x .163 = 1.68053

Volume of water removed: 5.0 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

	Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	1015	11/25/2013	14.50	6.30	129.50			2.00	
			*C	unit	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-16d	Sample Date:	Monday, November 25, 2013
		Sample Time:	945
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	15.40	feet
Depth to well bottom from measuring point:	58.65	feet
Height of water column:	43.25	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 0.5 gpm

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start ____ Stop ____

Sample Collection Time

Start ____ Stop ____

Volume of water in well

2" well:

height: 43.25 x .163 = 7.04975

Volume of water removed: 21.1 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

	Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	945	11/25/2013	14.30	6.36	505.00			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-17	Sample Date:	Monday, November 25, 2013
		Sample Time:	845
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	51.69	feet
Depth to well bottom from measuring point:	61.40	feet
Height of water column:	9.71	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 0.25 gpm

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start ____ Stop ____

Sample Collection Time

Start ____ Stop ____

Volume of water in well

2" well:

height: 9.71 x .163 = 1.58273

Volume of water removed: 4.7 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

	Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	845	11/25/2013	13.00	6.70	146.50			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-18	Sample Date:	Monday, November 25, 2013
		Sample Time:	1035
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Martin Mabe	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	27.73	feet
Depth to well bottom from measuring point:	41.10	feet
Height of water column:	13.37	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 0.5 gpm

Control Settings: On: ____ sec.

Off: ____ sec.

Pressure: ____ psi

Purge Time

Start 1020 Stop 1035

Sample Collection Time

Start 1035 Stop 1035

Volume of water in well

2" well:

height: 13.37 x .163 = 2.17931

Volume of water removed: 6.5 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1025	11/25/13	13.80	6.14	120.30			1.00	
1035	11/25/13	13.90	6.04	100.40			1.00	

Final Readings	1035	11/25/13	13.90	6.04	100.40			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-19s	Sample Date:	Monday, November 25, 2013
		Sample Time:	1140
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Martin Mabe	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	7.90	feet
Depth to well bottom from measuring point:	17.40	feet
Height of water column:	9.50	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 0.5 gpm

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start 1125 Stop 1140

Sample Collection Time

Start 1140 Stop 1145

Volume of water in well

2" well:

height: 9.5 x .163 = 1.5485

Volume of water removed: 4.6 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1125	11/25/2013	15.60	6.68	167.10			2.00	
1130	11/25/2013	16.40	6.70	160.20			1.00	
1135	11/25/2013	16.40	6.56	171.90			1.00	

Final Readings	1135	11/25/2013	16.40	6.56	171.90			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-19d	Sample Date:	Monday, November 25, 2013
		Sample Time:	1120
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Martin Mabe	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	6.03	feet
Depth to well bottom from measuring point:	73.40	feet
Height of water column:	67.37	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 1.0 gpm

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start 1100 Stop 1120

Sample Collection Time

Start 1120 Stop 1125

Volume of water in well

2" well:

height: 67.37 x .163 = 10.98131

Volume of water removed: 32.9 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1100	11/25/2013	14.60	6.49	413.00			1.00	
1110	11/25/2013	14.60	6.52	423.00			1.00	
1120	11/25/2013	14.60	6.42	433.00			1.00	
Final Readings	1120	11/25/2013	14.60	6.42	433.00			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3003 MW-20	Sample Date:	Monday, November 25, 2013
		Sample Time:	1305
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Gary Simcox	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	31.55	feet
Depth to well bottom from measuring point:	50.40	feet
Height of water column:	18.85	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 0.5 gpm

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start ____ Stop ____

Sample Collection Time

Start ____ Stop ____

Volume of water in well

2" well:

height: 18.85 x .163 = 3.07255

Volume of water removed: 9.2 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

	Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	1305	11/25/2013	13.30	6.69	353.00			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-21	Sample Date:	Monday, November 25, 2013
		Sample Time:	955
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Martin Mabe	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	4.99	feet
Depth to well bottom from measuring point:	22.00	feet
Height of water column:	17.01	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Peristaltic Pump

Sample Method: Peristaltic Pump

Purge Rate: 200.0 ml/min

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start 940 Stop 950

Sample Collection Time

Start 950 Stop 955

Volume of water in well

2" well:

height: 17.01 x .163 = 2.77263

Volume of water removed: 8.3 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
945	11/25/2013	13.70	6.72	980.00			1.00	
950	11/25/2013	13.50	6.72	922.00			1.00	
Final Readings	950	11/25/2013	13.50	6.72	922.00			1.00	
			*C	units	u S				

GROUNDWATER SAMPLING FIELD DATA

Location:	Davie County Landfill	Purge Date:	Monday, November 25, 2013
Project No.:	1584-03-109	Purge Time:	
Source Well:	3001 MW-22	Sample Date:	Monday, November 25, 2013
		Sample Time:	915
Locked?:	Yes: x No:	Weather:	Cloudy/Cold
Sampled By:	Martin Mabe	Air Temp:	30* F

Water Level & Well Data

Depth to water from measuring point:	5.26	feet
Depth to well bottom from measuring point:	49.90	feet
Height of water column:	44.64	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Whaler Pump

Sample Method: Whaler Pump

Purge Rate: 1.0 gpm

Control Settings: On: ____ sec.

Off: ____ sec.

Pressure: ____ psi

Purge Time

Start 900 Stop 915

Sample Collection Time

Start ____ Stop ____

Volume of water in well

2" well:

height: 44.64 x .163 = 7.27632

Volume of water removed: 21.8 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
902	11/25/2013	13.70	7.43	133.30			1.00	
912	11/25/2013	13.90	7.37	95.70			1.00	
Final Readings	912	11/25/2013	13.90	7.37	95.70			1.00	
			*C	units	u S				

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

Wednesday, December 11, 2013

Grey Engineering (GR009)

Attn: Joy Howard

PO Box 2448

Chapel Hill, NC 27515

RE: Laboratory Results for
Project Number: 1584-03-109, Project Name/Desc: Davie County Landfill - C&D
ENCO Workorder(s): C314886

Dear Joy Howard,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, November 26, 2013.

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.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3003-MW6 **Lab ID: C314886-01** **Sampled: 11/25/13 14:40** **Received: 11/26/13 12:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	05/24/14	12/06/13 12:51	12/9/2013 12:36
EPA 7470A	12/23/13	12/05/13 19:01	12/6/2013 14:09
EPA 8260B	12/09/13	12/04/13 09:09	12/5/2013 03:32

Client ID: 3003-MW7 **Lab ID: C314886-02** **Sampled: 11/25/13 13:55** **Received: 11/26/13 12:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	05/24/14	12/06/13 12:51	12/9/2013 12:39
EPA 7470A	12/23/13	12/05/13 19:01	12/6/2013 14:11
EPA 8260B	12/09/13	12/04/13 09:09	12/5/2013 04:02

Client ID: 3003-MW8A **Lab ID: C314886-03** **Sampled: 11/25/13 16:00** **Received: 11/26/13 12:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	05/24/14	12/06/13 12:51	12/9/2013 12:41
EPA 7470A	12/23/13	12/05/13 19:01	12/6/2013 13:54
EPA 8260B	12/09/13	12/04/13 09:09	12/5/2013 04:31

Client ID: 3003-MW9 **Lab ID: C314886-04** **Sampled: 11/25/13 15:05** **Received: 11/26/13 12:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	05/24/14	12/06/13 12:51	12/9/2013 12:44
EPA 7470A	12/23/13	12/05/13 19:01	12/6/2013 14:13
EPA 8260B	12/09/13	12/04/13 09:09	12/5/2013 05:01

Client ID: 3003-MW20 **Lab ID: C314886-05** **Sampled: 11/25/13 13:05** **Received: 11/26/13 12:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	05/24/14	12/06/13 12:51	12/9/2013 13:01
EPA 7470A	12/23/13	12/05/13 19:01	12/6/2013 14:15
EPA 8260B	12/09/13	12/04/13 09:09	12/5/2013 05:31

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 3003-MW6 **Lab ID: C314886-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	54.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3003-MW7 **Lab ID: C314886-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	11.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.385	J	1	0.360	1.00	1	ug/L	EPA 6010C	

Client ID: 3003-MW8A **Lab ID: C314886-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	97.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	4.42	J	1	1.40	10.0	10	ug/L	EPA 6010C	

Client ID: 3003-MW9 **Lab ID: C314886-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	13.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	1.70		1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	17.6		1	1.40	10.0	10	ug/L	EPA 6010C	

Client ID: 3003-MW20 **Lab ID: C314886-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	29.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 3003-MW6 **Lab Sample ID:** C314886-01 **Received:** 11/26/13 12:15

Matrix: Ground Water **Sampled:** 11/25/13 14:40 **Work Order:** C314886

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	12/05/13 03:32	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	12/05/13 03:32	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	12/05/13 03:32	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	12/05/13 03:32	REF	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	12/05/13 03:32	REF	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	12/05/13 03:32	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	12/05/13 03:32	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	12/05/13 03:32	REF	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	12/05/13 03:32	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	12/05/13 03:32	REF	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	12/05/13 03:32	REF	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	12/05/13 03:32	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	12/05/13 03:32	REF	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	12/05/13 03:32	REF	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	12/05/13 03:32	REF	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	12/05/13 03:32	REF	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	12/05/13 03:32	REF	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	12/05/13 03:32	REF	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	12/05/13 03:32	REF	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	12/05/13 03:32	REF	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	12/05/13 03:32	REF	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	12/05/13 03:32	REF	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	12/05/13 03:32	REF	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	12/05/13 03:32	REF	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	12/05/13 03:32	REF	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	12/05/13 03:32	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	12/05/13 03:32	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	12/05/13 03:32	REF	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	12/05/13 03:32	REF	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	12/05/13 03:32	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	12/05/13 03:32	REF	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	12/05/13 03:32	REF	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	12/05/13 03:32	REF	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	12/05/13 03:32	REF	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	12/05/13 03:32	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	12/05/13 03:32	REF	

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Description: 3003-MW6 | **Lab Sample ID:** C314886-01 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 14:40 | **Work Order:** C314886

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	12/05/13 03:32	REF	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	12/05/13 03:32	REF	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	12/05/13 03:32	REF	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	12/05/13 03:32	REF	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	12/05/13 03:32	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*51-122*	*3L04006*	*EPA 8260B*	*12/05/13 03:32*	*REF*	
Dibromofluoromethane	*43*	*1*	*50.0*	*87 %*	*68-117*	*3L04006*	*EPA 8260B*	*12/05/13 03:32*	*REF*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*67-127*	*3L04006*	*EPA 8260B*	*12/05/13 03:32*	*REF*	

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

Lab Sample ID: C314886-01
Sampled: 11/25/13 14:40
Sampled By: Gary Simcox

Received: 11/26/13 12:15
Work Order: C314886

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	12/06/13 14:09	T1D	

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Description: 3003-MW6 | **Lab Sample ID:** C314886-01 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 14:40 | **Work Order:** C314886

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] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	12/09/13 12:36	JDH	
Barium [7440-39-3] ^	**54.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	12/09/13 12:36	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	12/09/13 12:36	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	12/09/13 12:36	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	12/09/13 12:36	JDH	
Selenium [7782-49-2] ^	5.00	U	ug/L	1	5.00	10.0	10	EPA 6010C	12/09/13 12:36	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	12/09/13 12:36	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-MW7 | **Lab Sample ID:** C314886-02 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 13:55 | **Work Order:** C314886

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

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Description: 3003-MW7 | **Lab Sample ID:** C314886-02 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 13:55 | **Work Order:** C314886

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	12/05/13 04:02	REF	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	12/05/13 04:02	REF	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	12/05/13 04:02	REF	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	12/05/13 04:02	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*3L04006*	*EPA 8260B*	*12/05/13 04:02*	*REF*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*3L04006*	*EPA 8260B*	*12/05/13 04:02*	*REF*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*67-127*	*3L04006*	*EPA 8260B*	*12/05/13 04:02*	*REF*	

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

Lab Sample ID: C314886-02
Sampled: 11/25/13 13:55
Sampled By: Gary Simcox

Received: 11/26/13 12:15
Work Order: C314886

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	12/06/13 14:11	T1D	

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Description: 3003-MW7 | **Lab Sample ID:** C314886-02 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 13:55 | **Work Order:** C314886

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] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	12/09/13 12:39	JDH	
Barium [7440-39-3] ^	**11.6**	J	ug/L	1	1.00	10.0	100	EPA 6010C	12/09/13 12:39	JDH	
Cadmium [7440-43-9] ^	**0.385**	J	ug/L	1	0.360	1.00	1	EPA 6010C	12/09/13 12:39	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	12/09/13 12:39	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	12/09/13 12:39	JDH	
Selenium [7782-49-2] ^	5.00	U	ug/L	1	5.00	10.0	10	EPA 6010C	12/09/13 12:39	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	12/09/13 12:39	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-MW8A | **Lab Sample ID:** C314886-03 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 16:00 | **Work Order:** C314886

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

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

Lab Sample ID: C314886-03
Sampled: 11/25/13 16:00
Sampled By: Gary Simcox

Received: 11/26/13 12:15
Work Order: C314886

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	12/05/13 04:31	REF	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	12/05/13 04:31	REF	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	12/05/13 04:31	REF	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	12/05/13 04:31	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*3L04006*	*EPA 8260B*	*12/05/13 04:31*	*REF*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*68-117*	*3L04006*	*EPA 8260B*	*12/05/13 04:31*	*REF*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*67-127*	*3L04006*	*EPA 8260B*	*12/05/13 04:31*	*REF*	

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

Lab Sample ID: C314886-03
Sampled: 11/25/13 16:00
Sampled By: Gary Simcox

Received: 11/26/13 12:15
Work Order: C314886

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	12/06/13 13:54	T1D	

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

Lab Sample ID: C314886-03
Sampled: 11/25/13 16:00
Sampled By: Gary Simcox

Received: 11/26/13 12:15
Work Order: C314886

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] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	12/09/13 12:41	JDH	
Barium [7440-39-3] ^	**97.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	12/09/13 12:41	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	12/09/13 12:41	JDH	
Chromium [7440-47-3] ^	**4.42**	J	ug/L	1	1.40	10.0	10	EPA 6010C	12/09/13 12:41	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	12/09/13 12:41	JDH	
Selenium [7782-49-2] ^	5.00	U	ug/L	1	5.00	10.0	10	EPA 6010C	12/09/13 12:41	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	12/09/13 12:41	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-MW9 | **Lab Sample ID:** C314886-04 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 15:05 | **Work Order:** C314886

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

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Description: 3003-MW9 | **Lab Sample ID:** C314886-04 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 15:05 | **Work Order:** C314886

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	12/05/13 05:01	REF	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	12/05/13 05:01	REF	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	12/05/13 05:01	REF	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	12/05/13 05:01	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*3L04006*	*EPA 8260B*	*12/05/13 05:01*	*REF*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*68-117*	*3L04006*	*EPA 8260B*	*12/05/13 05:01*	*REF*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*67-127*	*3L04006*	*EPA 8260B*	*12/05/13 05:01*	*REF*	

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

Lab Sample ID: C314886-04
Sampled: 11/25/13 15:05
Sampled By: Gary Simcox

Received: 11/26/13 12:15
Work Order: C314886

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	12/06/13 14:13	T1D	

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Description: 3003-MW9 | **Lab Sample ID:** C314886-04 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 15:05 | **Work Order:** C314886

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] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	12/09/13 12:44	JDH	
Barium [7440-39-3] ^	**13.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	12/09/13 12:44	JDH	
Cadmium [7440-43-9] ^	**1.70**		ug/L	1	0.360	1.00	1	EPA 6010C	12/09/13 12:44	JDH	
Chromium [7440-47-3] ^	**17.6**		ug/L	1	1.40	10.0	10	EPA 6010C	12/09/13 12:44	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	12/09/13 12:44	JDH	
Selenium [7782-49-2] ^	5.00	U	ug/L	1	5.00	10.0	10	EPA 6010C	12/09/13 12:44	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	12/09/13 12:44	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:** C314886-05 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 13:05 | **Work Order:** C314886

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

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Description: 3003-MW20 | **Lab Sample ID:** C314886-05 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 13:05 | **Work Order:** C314886

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	12/05/13 05:31	REF	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	12/05/13 05:31	REF	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	12/05/13 05:31	REF	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	12/05/13 05:31	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*51-122*	*3L04006*	*EPA 8260B*	*12/05/13 05:31*	*REF*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*3L04006*	*EPA 8260B*	*12/05/13 05:31*	*REF*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*67-127*	*3L04006*	*EPA 8260B*	*12/05/13 05:31*	*REF*	

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Description:	3003-MW20	**Lab Sample ID:**	C314886-05	**Received:**	11/26/13 12:15
Matrix:	Ground Water	**Sampled:**	11/25/13 13:05	**Work Order:**	C314886
Project:	Davie County Landfill - C&D	**Sampled By:**	Gary Simcox		

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	12/06/13 14:15	T1D	

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Description: 3003-MW20 | **Lab Sample ID:** C314886-05 | **Received:** 11/26/13 12:15

Matrix: Ground Water | **Sampled:** 11/25/13 13:05 | **Work Order:** C314886

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] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	12/09/13 13:01	JDH	
Barium [7440-39-3] ^	**29.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	12/09/13 13:01	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	12/09/13 13:01	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	12/09/13 13:01	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	12/09/13 13:01	JDH	
Selenium [7782-49-2] ^	5.00	U	ug/L	1	5.00	10.0	10	EPA 6010C	12/09/13 13:01	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	12/09/13 13:01	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 3L04006 - EPA 5030B_MS

Blank (3L04006-BLK1) Prepared: 12/04/2013 09:09 Analyzed: 12/04/2013 23:36

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 3L04006 - EPA 5030B_MS

Blank (3L04006-BLK1) Continued Prepared: 12/04/2013 09:09 Analyzed: 12/04/2013 23:36

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	*41*			*ug/L*	*50.0*		*81*	*51-122*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*82*	*68-117*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*67-127*			

LCS (3L04006-BS1) Prepared: 12/04/2013 09:09 Analyzed: 12/05/2013 00:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		93	75-133			
Benzene	20		1.0	ug/L	20.0		102	81-134			
Chlorobenzene	21		1.0	ug/L	20.0		107	83-117			
Toluene	22		1.0	ug/L	20.0		108	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	74-119			
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*51-122*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*67-127*			

Matrix Spike (3L04006-MS1) Prepared: 12/04/2013 09:09 Analyzed: 12/05/2013 00:35

Source: C315378-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	103	75-133			
Benzene	21		1.0	ug/L	20.0	0.15 U	104	81-134			
Chlorobenzene	22		1.0	ug/L	20.0	0.17 U	109	83-117			
Toluene	22		1.0	ug/L	20.0	0.14 U	112	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	101	74-119			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*51-122*			
Surrogate: Dibromofluoromethane	*40*			*ug/L*	*50.0*		*79*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*67-127*			

Matrix Spike Dup (3L04006-MSD1) Prepared: 12/04/2013 09:09 Analyzed: 12/05/2013 01:05

Source: C315378-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.21 U	96	75-133	8	20	
Benzene	20		1.0	ug/L	20.0	0.15 U	101	81-134	3	17	
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	105	83-117	4	16	
Toluene	21		1.0	ug/L	20.0	0.14 U	106	71-118	6	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	97	74-119	5	22	
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*51-122*			
Surrogate: Dibromofluoromethane	*38*			*ug/L*	*50.0*		*76*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*67-127*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 3L05040 - EPA 7470A

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 3L05040 - EPA 7470A

Blank (3L05040-BLK1) Prepared: 12/05/2013 19:01 Analyzed: 12/06/2013 13:50

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 (3L05040-BS1) Prepared: 12/05/2013 19:01 Analyzed: 12/06/2013 13:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.17		0.200	ug/L	5.00		103	80-120			

Matrix Spike (3L05040-MS1) Prepared: 12/05/2013 19:01 Analyzed: 12/06/2013 14:01

Source: C314886-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.46		0.200	ug/L	5.00	0.170 U	109	75-125			

Matrix Spike Dup (3L05040-MSD1) Prepared: 12/05/2013 19:01 Analyzed: 12/06/2013 14:03

Source: C314886-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.40		0.200	ug/L	5.00	0.170 U	108	75-125	1	25	

Post Spike (3L05040-PS1) Prepared: 12/05/2013 19:01 Analyzed: 12/06/2013 14:05

Source: C314886-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.52		0.200	ug/L	5.00	-0.172	94	75-125			

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

Batch 3L06032 - EPA 3005A

Blank (3L06032-BLK1) Prepared: 12/06/2013 12:51 Analyzed: 12/09/2013 11:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	5.40	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.40	U	10.0	ug/L							
Lead	2.10	U	10.0	ug/L							
Selenium	5.00	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							

LCS (3L06032-BS1) Prepared: 12/06/2013 12:51 Analyzed: 12/09/2013 11:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	190		10.0	ug/L	200		95	80-120			
Barium	183		10.0	ug/L	200		92	80-120			
Cadmium	18.5		1.00	ug/L	20.0		92	80-120			
Chromium	184		10.0	ug/L	200		92	80-120			

QUALITY CONTROL

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

Batch 3L06032 - EPA 3005A

LCS (3L06032-BS1) Continued Prepared: 12/06/2013 12:51 Analyzed: 12/09/2013 11:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	184		10.0	ug/L	200		92	80-120			
Selenium	185		10.0	ug/L	200		92	80-120			
Silver	193		10.0	ug/L	200		96	80-120			

Matrix Spike (3L06032-MS1) Prepared: 12/06/2013 12:51 Analyzed: 12/09/2013 11:38

Source: C309682-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	188		10.0	ug/L	200	5.40 U	94	75-125			
Barium	205		10.0	ug/L	200	23.5	91	75-125			
Cadmium	19.6		1.00	ug/L	20.0	1.43	91	75-125			
Chromium	177		10.0	ug/L	200	1.40 U	89	75-125			
Lead	177		10.0	ug/L	200	2.10 U	89	75-125			
Selenium	181		10.0	ug/L	200	5.00 U	90	75-125			
Silver	181		10.0	ug/L	200	1.90 U	91	75-125			

Matrix Spike Dup (3L06032-MSD1) Prepared: 12/06/2013 12:51 Analyzed: 12/09/2013 11:41

Source: C309682-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	189		10.0	ug/L	200	5.40 U	95	75-125	0.8	20	
Barium	210		10.0	ug/L	200	23.5	93	75-125	3	20	
Cadmium	20.1		1.00	ug/L	20.0	1.43	93	75-125	3	20	
Chromium	181		10.0	ug/L	200	1.40 U	90	75-125	2	20	
Lead	183		10.0	ug/L	200	2.10 U	91	75-125	3	20	
Selenium	181		10.0	ug/L	200	5.00 U	91	75-125	0.5	20	
Silver	184		10.0	ug/L	200	1.90 U	92	75-125	1	20	

Post Spike (3L06032-PS1) Prepared: 12/06/2013 12:51 Analyzed: 12/09/2013 11:43

Source: C309682-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.185		0.0100	mg/L	0.200	0.000374	92	80-120			
Barium	0.208		0.0100	mg/L	0.200	0.0235	92	80-120			
Cadmium	0.0199		0.00100	mg/L	0.0200	0.00143	92	80-120			
Chromium	0.178		0.0100	mg/L	0.200	0.000367	89	80-120			
Lead	0.183		0.0100	mg/L	0.200	-0.00259	93	80-120			
Selenium	0.183		0.0100	mg/L	0.200	0.000276	91	80-120			
Silver	0.183		0.0100	mg/L	0.200	0.000294	91	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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102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: Grey Engineering (GR009)	Project Number: 1584-03-109
Address: PO Box 2448	Project Name/Desc: Davie County Landfill - C&D
City/ST/Zip: Chapel Hill, NC 27515	PO # / Billing Info:
Tel: (336) 751-2110 Fax: (336) 751-6348	Reporting Contact: Joy Howard
Sampler(s) Name, Affiliation (Print): Gary Simcox / S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone:

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C314886

Requested Analyses / 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	11/25/13	1440	G	GW	4	X	X	X								
	3003-MW7	11/25/13	1355	G	GW	4	X	X	X								
	3003-MW8A	11/25/13	1600	G	GW	4	X	X	X								
	3003-MW9	11/25/13	1505	G	GW	4	X	X	X								
	3003-MW20	11/25/13	1305	G	GW	4	X	X	X								

<-- Total # of Containers

Sample Kit Prepared By: CS	Date/Time: 11/19/13	Relinquished By:	Date/Time: 11/26/13 0730	Received By:	Date/Time: 11/26 1215
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		Condition Upon Receipt: ✓ 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