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 MSW Landfill	360 Dalton Rd., Mocksville, NC 27028	30-03		April 13 and 14, 2011

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 — 7-1-11 Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL SEAL 15407 ENGINEER JOHN C. GREY, JR.

7-1-11

254 W. Water St., Mocksville, NC 27028

Facility Representative Address

C-0909

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

GREY
ENGINEERING, INC.

July 1, 2011

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 Sirs,

With respect to the Davie County 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; environmental monitoring reporting form; vicinity map and monitoring well location map. The sampling was conducted in April 2011.

The data indicate no exceedance of surface water standards. However, you will note from the Exceedance Summary Table that monitoring wells **MW-1** (Benzene, Trichloroethene, Vinyl Chloride), **MW-4** (Benzene), **MW-5** (1,1-Dichloroethane,1,2 Dichloropropane, Benzene, Tetrachloroethene, Trichloroethene, Vinyl Chloride), **MW-12** (Tetrachloroethene), **MW-15** (Tetrachloroethene), and **MW-16D** (Benzene, Tetrachloroethene) show exceedance of 2L levels for the April 13th -14th sampling event.

These exceedances result from historic landfill use. The landfill is now capped and closed. As we reported with the fall 2010 sampling results, S&ME has reasonably estimated of the limits waste, revised the compliance boundary and determined that some of the existing monitoring wells are inappropriately placed too close to the edge of buried waste and should be removed from the program.

As previously noted, monitoring well 13A was installed adjacent to existing MW-13 for background monitoring purposes. MW-13 was damaged and frequently dry. MW-13A results are included in the detection summary.

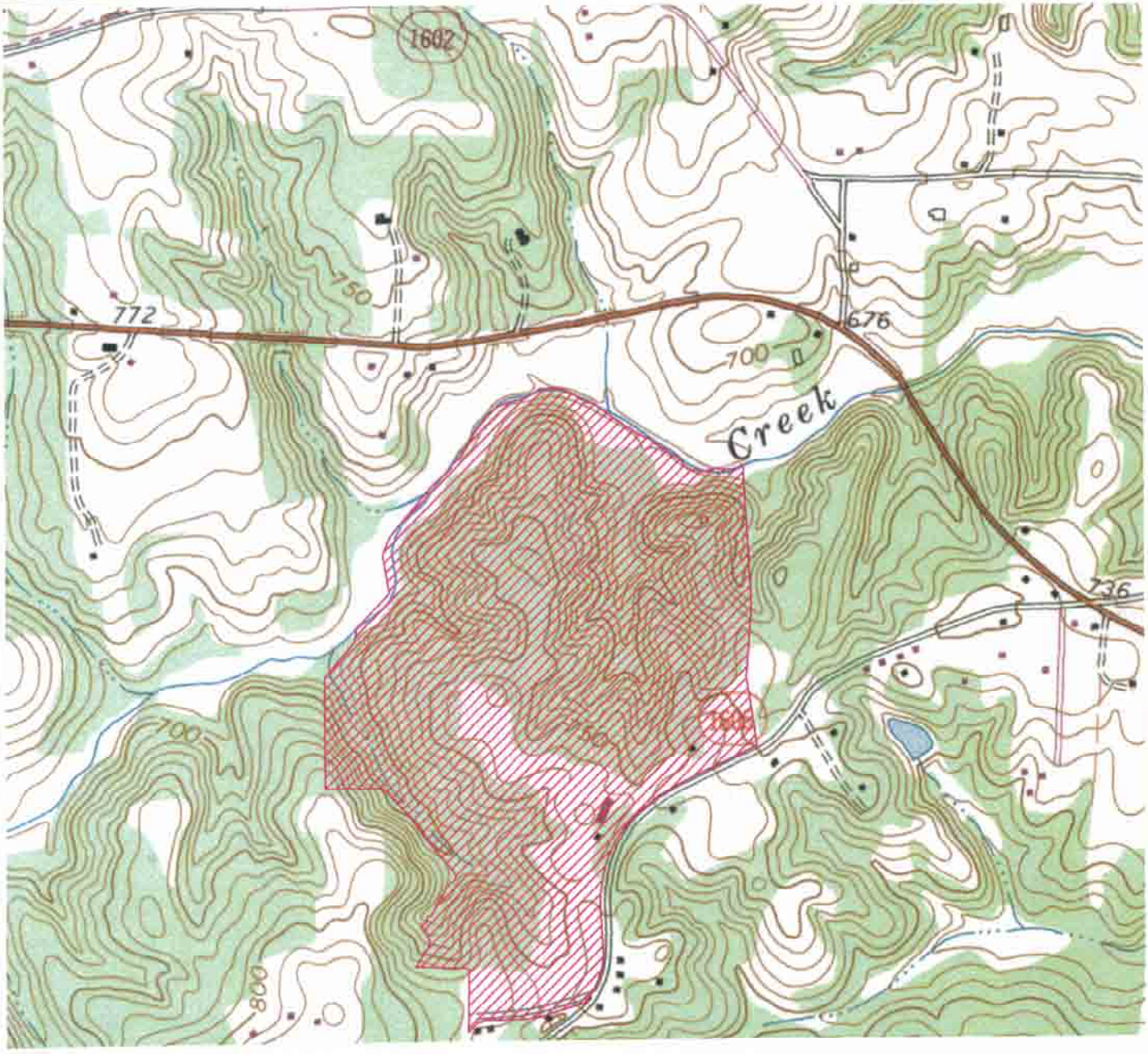
S&ME continues to execute the analysis and discovery program agreed upon with State officials. Test results have been compiled and will be discussed with State officials in the coming weeks so that additional action may be taken as directed.

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

Sincerely,
Grey Engineering, Inc

John C. Grey, PE
Cc: Ms. Beth Dirks, Davie County Manager

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



MOCKSVILLE QUADRANGLE
NORTH CAROLINA
USGS 7.5 MINUTE TOPOGRAPHIC SERES
1969

0 1000 2000 3000

SCALE: 1"=1000' CONTOURS AT 2'

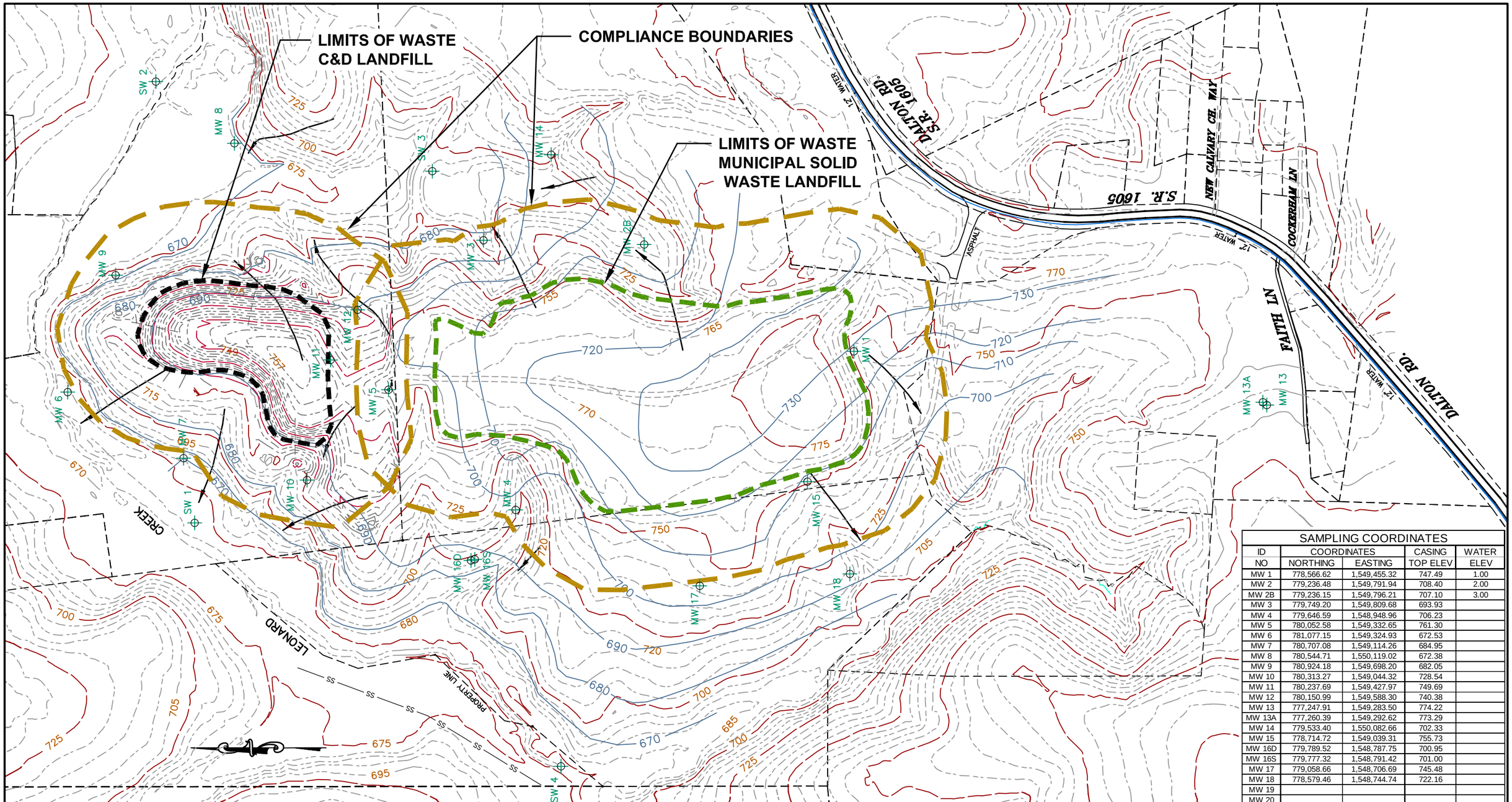
GREY ENGINEERING, INC.
Civil Design and Surveying
P.O. Box 9 Mocksville, N.C. 27028
greyengineering.com (336)751-2110

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



SAMPLING COORDINATES				
ID	COORDINATES		CASING	WATER
NO	NORTHING	EASTING	TOP ELEV	ELEV
MW 1	778,566.62	1,549,455.32	747.49	1.00
MW 2	779,236.48	1,549,791.94	708.40	2.00
MW 2B	779,236.15	1,549,796.21	707.10	3.00
MW 3	779,749.20	1,549,809.68	693.93	
MW 4	779,646.59	1,548,948.96	706.23	
MW 5	780,052.58	1,549,332.65	761.30	
MW 6	781,077.15	1,549,324.93	672.53	
MW 7	780,707.08	1,549,114.26	684.95	
MW 8	780,544.71	1,550,119.02	672.38	
MW 9	780,924.18	1,549,698.20	682.05	
MW 10	780,313.27	1,549,044.32	728.54	
MW 11	780,237.69	1,549,427.97	749.69	
MW 12	780,150.99	1,549,588.30	740.38	
MW 13	777,247.91	1,549,283.50	774.22	
MW 13A	777,260.39	1,549,292.62	773.29	
MW 14	779,533.40	1,550,082.66	702.33	
MW 15	778,714.72	1,549,039.31	755.73	
MW 16D	779,789.52	1,548,787.75	700.95	
MW 16S	779,777.32	1,548,791.42	701.00	
MW 17	779,058.66	1,548,706.69	745.48	
MW 18	778,579.46	1,548,744.74	722.16	
MW 19				
MW 20				
MW 21				
SW 1	780,671.78	1,548,907.64		
SW 2	780,795.77	1,550,316.07		
SW 3	779,912.71	1,550,030.14		
SW 4	779,501.70	1,548,130.73		

GENERAL NOTES:

1. NORTH IS BASED ON NATIONAL GEODETIC SURVEY 'NORTH CAROLINA GEOID 2009'.
2. 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.
3. EXISTING WELL NO'S 16S, 16P, 17, AND 18 SURVEYED BY GREY ENGINEERING, 12/11/03.
4. TOPOGRAPHY AND ROAD LOCATIONS ARE APPROXIMATE. TOPOGRAPHY FROM MOCKSVILLE NC QUADRANGLE; USGS 7.5 MINUTE TOPOGRAPHIC SERIES, 1994.
5. ELEVATIONS SHOWN AT TIME OF SAMPLING

LEGEND

⌖	SAMPLE LOCATIONS
MW	MONITORING WELL NO. & ELEV.
SW	SURFACE WATER
740	TOPOGRAPHIC CONTOUR LINE
680	GROUNDWATER CONTOUR LINE
→	GROUNDWATER FLOW DIRECTION

0 300 600 900

SCALE: 1"=300' CONTOURS AT 10'

\202.075ge\Pln geoid09\Well Loc1

DAVIE COUNTY LANDFILL
MOCKSVILLE, NORTH CAROLINA

SAMPLE LOCATIONS/GROUNDWATER CONTOUR MAP
DECEMBER 2010

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

SHEET: 1 of 1

Davie County Monitoring Wells
April 2011 Detection Summary
Table With History

WELL ID	SWID	CAS	PARAMETER	Dec-03 RESULT	Jun-04 RESULT	Oct-04 RESULT	Apr-05 RESULT	Oct-05 RESULT	Mar-06 RESULT	Oct-06 RESULT	Apr-07 RESULT	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	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-1	75	75-34-3	1,1-Dichloroethane	12	11	7	7	10	9.7	8.2	4.90	5.50	5.40	4.5	5.3	4.4	4.6	3.4	4.1	3.2	J	0.050	1.0	5	6		ug/L
MW-1	77	75-35-4	1,1-Dichloroethene	*	*	*	*	*	*	*	0.37	0.33	0.42	*	*	*	*	*	*	*		0.140	1.0	5	7		ug/L
MW-1	199	106-46-7	1,4- Dichlorobenzene	*	*	*	*	*	*	*	**2.80**	**1.70**	**2.50**	**2.2**	**2.9**	**3.2**	**3.5**	2.5	3.4	3.2		0.100	1.0	1	6.0		ug/L
MW-1	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	*	*	2.4	*	2.4	*	*	*		1.500	5.0	100	6000		ug/L
MW-1	15	7440-39-3	Barium	*	*	*	*	*	*	*	397.00	403	366	NR	385.0	350.0	376.0	319.0	324.0	343.0		1.000	10.0	100	700		ug/L
MW-1	16	71-43-2	Benzene	*	**5.5**	*	**6**	**5**	**5.2**	*	*	**1.80**	**1.70**	**1.5**	**1.8**	**2.4**	**2.40**	**2.00**	**1.70**	**1.20**		0.050	1.0	1	1.0		ug/L
MW-1	136	74-83-9	Bromomethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.90	*	*	J	0.280	1.0	10	NE	NE	ug/L
MW-1	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.17	0.455	*	*	*		0.360	1.0	1	2.00		ug/L
MW-1	39	108-90-7	Chlorobenzene	*	*	*	*	*	*	*	*	*	*	*	*	0.49	0.44	0.55	0.51	*	J	0.069	1.0	3	50		ug/L
MW-1	41	75-00-3	Chloroethane	19	17	12	17	17	16.2	27	9.30	8.50	11.00	10.6	12.0	9.8	5.7	7.9	4.0	*	J	0.180	1.0	10	3000		ug/L
MW-1	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	0.3	*	*	*	*	1.0	*		0.300	1.0	10.0	3.000		ug/L
MW-1	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	*	*	*	8.28	*	1.85	1.51	J	1.000	10.0	10	10		ug/L
MW-1	78	156-59-2	cis-1,2-Dichloroethene	6	7.5	*	8	7	9.1	9.7	7.00	8.40	8.70	8.9	9.9	10.0	12.0	12.0	14.0	12.0		0.075	1.0	5	70		ug/L
MW-1	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	8.3	NR	*	2.3	3.69	*	*	3.5	J	1.900	10.0	10	15		ug/L
MW-1	140	75-09-2	Methylene chloride	*	*	*	*	*	*	*	0.75	*	0.45	0.8	*	1.6	*	*	*	*		0.530	1.0	1	5.000		ug/L
MW-1	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	*	9.25	*	*	*		2.700	10.0	10	20		ug/L
MW-1	184	7440-22-4	Silver	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.41	*	*	J	1.900	10.0	10	20		ug/L
MW-1	192	127-18-4	Tetrachloroethene	**7**	**5.6**	*	**23**	*	*	*	**2.10**	*	**0.75**	*	*	**2.4**	0.52	*	0.46	*		0.360	1.0	1	0.70		ug/L
MW-1	201	79-01-6	Trichloroethene	*	**8.8**	**7.9**	**9**	*	**11.7**	**11**	**10.00**	**9.00**	**8.00**	**7.7**	**8.4**	**7.2**	**8.2**	**5.5**	**7.0**	**6.4**	J	0.130	1.0	1	3		ug/L
MW-1	211	75-01-4	Vinyl chloride	*	*	*	*	*	*	*	**4.00**	**2.10**	**2.60**	**4.1**	**3.0**	**2.7**	**3.4**	**2.8**	**2.5**	**1.8**		0.083	1.0	1	0.030		ug/L
MW-2	199	106-46-7	1,4- Dichlorobenzene	*	*	*	*	*	*	*	*	*	*	*	0.6	*	0.66	*	0.77	*	J	0.380	1.0	1	6.0		ug/L
MW-2	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	8.40	NR	*	*	*	*	3.60	*	J	1.500	5.0	100	6000		ug/L
MW-2	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	*	*	*	*	4.33	*	*	*		2.800	10.0	10	10		ug/L
MW-2	15	7440-39-3	Barium	*	*	*	*	*	*	*	90.50	111	99.8	NR	96.9	76.2	101.0	72.9	87.0	76.3	J	1.000	10.0	100	700		ug/L
MW-2	16	71-43-2	Benzene	*	*	*	*	*	*	*	*	*	*	*	0.62	*	0.50	*	0.45	*	J	0.200	1.0	1	1.0		ug/L
MW-2	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.16	*	*	*	*		0.090	1.0	1	2.00		ug/L
MW-2	41	75-00-3	Chloroethane	*	*	*	*	*	*	*	*	*	*	*	0.55	*	*	*	0.41	*	J	0.300	1.0	10	3000		ug/L
MW-2	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.3	*		0.300	1.0	10.0	3.000		ug/L
MW-2	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	5.00	NR	*	*	5.12	2.41	1.09	*	J	1.000	10.0	10	10		ug/L
MW-2	78	156-59-2	cis-1,2-Dichloroethene	*	*	*	*	*	*	*	*	*	*	*	0.41	*	*	*	*	*		0.360	1.0	5	70		ug/L
MW-2	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.16	*	2.03	J	1.900	10.0	10	15		ug/L
MW-3	199	106-46-7	1,4- Dichlorobenzene	*	*	*	*	*	*	*	*	*	0.66	NR	0.63	0.49	0.66	*	0.76	0.91	J	0.380	1.0	1	6.0		ug/L
MW-3	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	8.40	NR	*	*	*	*	3.10	*	J	1.500	5.0	100	6000		ug/L
MW-3	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	*	*	*	*	4.14	*	*	*		2.800	10.0	10	10		ug/L
MW-3	15	7440-39-3	Barium	*	*	*	*	*	*	*	14.30	17.40	39.40	NR	17.9	18.9	18.8	13.0	19.3	18.0	J	1.000	10.0	100	700		ug/L
MW-3	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.16	*	*	*	*		0.090	1.0	1	2.00		ug/L
MW-3	39	108-90-7	Chlorobenzene	*	*	*	*	*	*	*	*	0.46	0.55	NR	0.61	0.47	0.69	*	0.81	*	J	0.270	1.0	3	50		ug/L
MW-3	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.4	*	J	0.300	1.0	10.0	3.000		ug/L
MW-3	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	5.00	NR	*	*	3.5	*	*	*		1.000	10.0	10	10		ug/L
MW-3	131	7439-92-1	Lead	*	*	*	*	*	*	*	2.00	*	12.80	NR	*	*	*	*	*	2.66	J	1.900	10.0	10	15		ug/L

Davie County Monitoring Wells
April 2011 Detection Summary
Table With History

WELL ID	SWID	CAS	PARAMETER	Dec-03 RESULT	Jun-04 RESULT	Oct-04 RESULT	Apr-05 RESULT	Oct-05 RESULT	Mar-06 RESULT	Oct-06 RESULT	Apr-07 RESULT	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	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-3	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	4.0	*	*	*	*		3.400	10.0	10	20		ug/L
MW-4	75	75-34-3	1,1-Dichloroethane	5.3	*	*	*	5	6.1	6.0	3.00	3.70	4.00	2.7	4.1	2.3	2.4	2.0	3.0	3.1	J	0.050	1.0	5	6		ug/L
MW-4	199	106-46-7	1,4- Dichlorobenzene	*	*	*	*	*	*	*	2.80	2.40	2.60	1.8	3.1	1.3	2.0	1.6	3.1	4.4		0.100	1.0	1	6.0		ug/L
MW-4	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	8.40	NR	*	*	*	*	2.60	*	J	1.500	5.0	100	6000		ug/L
MW-4	15	7440-39-3	Barium	*	*	*	*	*	*	*	101.00	123.00	120.00	NR	116.0	88.6	109.0	93.4	86.0	110.0	J	1.000	10.0	100	700		ug/L
MW-4	16	108-90-7	Benzene	*	*	*	*	*	*	*	*	2.90	2.90	2.2	2.8	1.8	2.0	1.8	1.9	2.5		0.050	1.0	1	1		ug/L
MW-4	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.19	*	*	*	*		0.360	1.0	1	2.00		ug/L
MW-4	39	108-90-7	Chlorobenzene	*	*	*	*	*	*	*	*	0.45	0.55	0.4	0.49	0.45	0.64	0.66	1.00	1.20	J	0.069	1.0	3	50		ug/L
MW-4	41	75-00-3	Chloroethane	*	*	*	*	*	*	*	2.40	2.70	4.00	2.5	4.10	1.90	2.10	2.20	2.60	*	J	0.180	1.0	10	3000		ug/L
MW-4	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	2.0	*	*	*	*	1.2	*		0.340	1.0	1.0	3.00		ug/L
MW-4	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	5.00	NR	*	*	2.88	*	*	*		1.000	10.0	10	10		ug/L
MW-4	78	156-59-2	cis-1,2-Dichloroethene	32	10	20	22	55	76.6	56.0	16.00	24.00	15.00	10.0	14.0	4.0	7.1	4.3	6.9	9.2		0.075	1.0	5	70		ug/L
MW-4	66	124-48-1	Dibromochloromethane	*	*	*	*	*	*	*	*	*	*	0.5	*	*	*	*	*	*		0.320	1.0	3.0	0.40	0.41	ug/L
MW-4	79	156-60-5	trans-1,2-Dichloroethene	*	*	*	*	*	*	*	*	*	*	*	0.41	*	*	*	*	*		0.340	1.0	5	100		ug/L
MW-4	131	7439-92-1	Lead	*	*	*	*	*	*	*	2.00	*	12.80	NR	*	*	3.36	*	*	*		1.900	10.0	10	15		ug/L
MW-4	201	79-01-6	Trichloroethene	*	*	*	*	*	6.4	*	*	1.40	0.87	0.4	0.66	*	*		*	*		0.130	1.0	1	3		ug/L
MW-4	211	75-01-4	Vinyl chloride	*	*	*	*	*	*	*	2.00	2.30	1.60	1.5	1.7	*	0.73	0.42	0.80	*	J	0.083	1.0	1	0.030		ug/L
MW-4	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	3.4	*	*	*	*		3.400	10.0	10	20		ug/L
MW-5	75	75-34-3	1,1-Dichloroethane	13	13	8.8	11	12	13.2	10	9.00	7.60	10.00	6.2	8.9	7.7	7.3	6.3	7.4	6.3		0.050	1.0	5	6		ug/L
MW-5	82	78-87-5	1,2 Dichloropropane	*	5.3	*	*	*	5.4	*	3.90	2.90	3.20	1.9	3.0	2.7	2.7	2.9	2.8	2.5		0.098	1.0	1	0.60		ug/L
MW-5	199	106-46-7	1,4-Dichlorobenzene	*	*	*	*	*	*	*	2.10	0.65	1.40	1.0	1.3	1.6	1.2	1.2	1.6	1.5		0.100	1.0	1	6.0		ug/L
MW-5	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	*	*	*	*	5.10	*	*	*		2.800	10.0	10	10		ug/L
MW-5	15	7440-39-3	Barium	*	*	*	*	*	*	*	12.30	13.50	14.30	NR	21.6	9.87	18.40	22.30	8.57	12.2	J	1.000	10.0	100	700		ug/L
MW-5	16	108-90-7	Benzene	*	*	*	*	*	*	*	*	2.80	3.30	2.0	2.8	2.9	2.9	2.8	2.9	2.9		0.050	1.0	1	1		ug/L
MW-5	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.09	*	0.721	*	*		0.360	1.0	1	2.00		ug/L
MW-5	41	75-00-3	Chloroethane	*	*	*	*	*	*	*	1.80	1.50	2.30	1.3	2.1	1.8	1.1	1.5	1.3	0.85	J	0.180	1.0	10	3000		ug/L
MW-5	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.51	*	J	0.340	1.0	1.0	3.00		ug/L
MW-5	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	5.00	NR	*	*	2.54	*	*	*	J	1.000	10.0	10	10		ug/L
MW-5	78	156-59-2	cis-1,2-Dichloroethene	8.3	7	*	8	8	11.5	21	8.50	15.00	14.00	11.8	11.0	11.0	15.0	15.0	15.0	15.0		0.075	1.0	5	70		ug/L
MW-5	131	7439-92-1	Lead	*	*	*	*	*	*	*	2.00	*	12.80	NR	*	*	2.72	5.19	*	*	J	1.900	10.0	10	15		ug/L
MW-5	192	127-18-4	Tetrachloroethene	27	23	16	21	12	14.3	*	16.00	4.20	3.80	*	4.4	0.66	*	0.40	0.41	0.99	J	0.099	1.0	1	0.70		ug/L
MW-5	201	79-01-6	Trichloroethene	25	24	15	20	*	21.4	18	20.00	10.00	15.00	13.1	14.0	22.0	19.0	16.0	17.0	15		0.130	1.0	1	3		ug/L
MW-5	211	75-01-4	Vinyl chloride	*	*	*	*	*	*	*	0.99	0.61	0.91	1.0	0.93	0.69	0.91	1.10	1.00	0.66	J	0.083	1.0	1	0.030		ug/L
MW-6	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	8.40	NR	*	*	*	*	2.50	*	J	1.500	5.0	100	6000		ug/L
MW-6	15	7440-39-3	Barium	*	*	*	*	*	*	*	26.70	65.40	34.10	NR	82.6	43.1	80.3	28.8	71.7	41	J	1.000	10.0	100	700		ug/L
MW-6	137	74-87-3	Chloromethane															*	0.64	*	J	0.340	1.0	1	3		ug/L
MW-6	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	2.0	*	*	*	*	*	1.12	J	1.000	10.0	10	10		ug/L
MW-7	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	8.40	NR	*	*	*	*	2.50	4.80	J	1.500	5.0	100	6000		ug/L

Davie County Monitoring Wells
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WELL ID	SWID	CAS	PARAMETER	Dec-03 RESULT	Jun-04 RESULT	Oct-04 RESULT	Apr-05 RESULT	Oct-05 RESULT	Mar-06 RESULT	Oct-06 RESULT	Apr-07 RESULT	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	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-7	14	7440-38-2	Arsenic										*	*	*	*	3.80	*	*	*		2.800	10.0	10	10		ug/L
MW-7	15	7440-39-3	Barium	*	*	*	*	*	*	*	8.10	39.80	9.90	NR	37.2	13.1	177.0	9.11	43.40	9.87	J	1.000	10.0	100	700		ug/L
MW-7	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.09	**5.31**	*	0.37	*	J	0.360	1.0	1	2.00		ug/L
MW-7	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.73	*	J	0.340	1.0	1.0	3.00		ug/L
MW-7	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	5.00	NR	*	*	13.60	*	3.20	*	J	1.000	10.0	10	10		ug/L
MW-7	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	4.8	*	**23.0**	*	4.90	*	J	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-8	15	7440-39-3	Barium	*	*	*	*	*	*	*	12.10	49.50	11.80	NR	14.3	13.0	20.1	12.5	14.3	13.9	J	1.000	10.0	100	700		ug/L
MW-8	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.20	*		0.340	1.0	1.0	3.00		ug/L
MW-8	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	5.00	NR	*	*	1.10	*	*	*		1.000	10.0	10	10		ug/L
MW-9	15	7440-39-3	Barium	*	*	*	*	*	*	*	5.90	*	4.50	NR	*	4.71	*	4.13	5.16	5.22	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	J	1.000	10.0	10	10		ug/L
MW-10	75	75-34-3	1,1,-Dichloroethane	*	*	*	*	*	*	*	0.63	0.77	1.20	0.8	1.1	1.3	1.3	1.5	1.4	*	J	0.050	1.0	5	6		ug/L
MW-10	82	78-87-5	1,2 Dichloropropane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.4	*	J	0.098	1.0	1	0.60		ug/L
MW-10	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	*	2.0	*	*	*	*	*	*		1.500	5.0	100	6000		ug/L
MW-10	14	7440-38-2	Arsenic										*	*	*	*	6.43	*	*	*		2.800	10.0	10	10		ug/L
MW-10	15	7440-39-3	Barium	*	*	*	*	*	*	*	14.20	33.20	9.60	NR	12.3	11.0	138.0	26.0	16.9	22.5	J	1.000	10.0	100	700		ug/L
MW-10	30	75-25-2	Bromoform	*	*	*	*	*	*	*	*	*	*	0.4	*	*	*	*	*	*		0.300	1.0	3	4.000		ug/L
MW-10	34	7440-43-9	Cadmium															*	*	0.683	J	0.360	1.0	1	2.00		ug/L
MW-10	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	0.3	*	*	*	*	0.72	*	J	0.300	1.0	10.0	3.00		ug/L
MW-10	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	5.00	NR	*	0.9	33.7	1.51	1.29	3.86	J	1.000	10.0	10	10		ug/L
MW-10	78	156-59-2	cis-1,2-Dichoroethene	*	*	*	*	*	*	*	0.62	0.95	1.20	1.1	1.3	1.4	2.0	2.6	2.6	*	J	0.075	1.0	5	70		ug/L
MW-10	131	7439-92-1	Lead	*	*	*	*	*	*	*	5.30	3.90	2.70	NR	*	*	**19.2**	2.4	*	2.64	J	1.900	10.0	10	15		ug/L
MW-10	140	75-09-2	Methylene chloride	*	*	*	*	*	*	*	0.75	*	0.45	0.8	*	*	0.95	0.95	*	*	J	0.070	1.0	1	5.000		ug/L
MW-10	192	127-18-4	Tetrachloroethene	**13**	*	*	**6**	*	**6.5**	**7.7**	**8.20**	**5.20**	**7.00**	**3.0**	**6.5**	**9.5**	**9.2**	**9.1**	**9.9**	*		0.099	1.0	1	0.700		ug/L
MW-10	201	79-01-6	Trichloroethene	*	*	*	*	*	*	*	*	1.80	2.20	1.9	2.1	**3.1**	**3.2**	**3.6**	**3.8**	*		0.130	1.0	1	3		ug/L
MW-10	203	75-69-4	Trichloroflouromethane	*	*	*	*	*	*	*	0.43	*	0.59	0.3	*	0.44	*	0.48	*	*		0.150	1.0	1	2000		ug/L
																											ug/L
MW-12	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	*	*	3.10	*	*	*	*	*		2.800	10.0	10	10		ug/L
MW-12	15	7440-39-3	Barium	*	*	*	*	*	*	*	39.50	52.10	32.20	NR	98.6	84.8	56.2	20.8	18.1	20.8	J	1.000	10.0	100	700		ug/L
MW-12	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.24	*	*	*	1.35		0.090	1.0	1	2.00		ug/L
MW-12	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.00	*		0.300	1.0	10.0	3.00		ug/L
MW-12	51	7440-47-3	Chromium	*	*	*	*	11	*	37.9	5.80	10.10	4.90	NR	20.2	20.3	13.5	3.56	3.62	4.86	J	1.000	10.0	10	10		ug/L
MW-12	131	7439-92-1	Lead	**17**	*	*	*	*	*	**33.4**	13.00	**56.80**	2.80	NR	19.7	**16.4**	9.33	*	*	6.37	J	1.900	10.0	10	15		ug/L
MW-12	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	4.0	10.8	*	*	*		2.700	10.0	10	20		ug/L
MW-12	192	127-18-4	Tetrachloroethene	*	*	*	*	*	*	*	*	0.54	0.69	NR	0.67	0.64	0.61	**0.79**	**1.10**	**1.00**		0.099	1.0	1	0.700		ug/L

Davie County Monitoring Wells
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WELL ID	SWID	CAS	PARAMETER	Dec-03 RESULT	Jun-04 RESULT	Oct-04 RESULT	Apr-05 RESULT	Oct-05 RESULT	Mar-06 RESULT	Oct-06 RESULT	Apr-07 RESULT	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	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-13A	15	7440-39-3	Barium	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	53.50	11.80	J	1.000	10.0	100	700		ug/L
MW-13A	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.72	*	J	0.300	1.0	10.0	3.00		ug/L
MW-13A	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21.50	5.01	J	1.000	10.0	10	10		ug/L
MW-13A	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7.55	4.27	J	1.900	10.0	10	15		ug/L
MW-14	199	106-46-7	1,4-Dichlorobenzene	*	*	*	*	*	*	*	*	*	*	*	0.58	*	0.64	0.43	0.84	*	J	0.100	1.0	1	6.0		ug/L
MW-14	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	*	*	3.10	*	6.84	*	*	*		2.800	10.0	10	10		ug/L
MW-14	15	7440-39-3	Barium	*	*	*	*	*	*	*	14.40	1510	297	NR	502	278	306	270	266	262		1.000	10.0	100	700		ug/L
MW-14	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.22	*	*	*	*		0.090	1.0	1	2.00		ug/L
MW-14	39	108-90-7	Chlorobenzene	*	*	*	*	*	*	*	*	1.30	0.47	NR	1.7	0.78	1.90	0.94	2.00	*	J	0.069	1.0	3	50		ug/L
MW-14	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.20	*		0.300	1.0	10.0	3.00		ug/L
MW-14	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	*	22.2	6.7	12.8	1.86	*	2.05	J	1.000	10.0	10	10		ug/L
MW-14	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	43.7	7.9	4.59	*	*	*		1.900	10.0	10	15		ug/L
MW-14	132	7439-97-6	Mercury	*	*	*	*	*	*	*	*	*	*	*	0.11	*	*	*	*	*		0.110	0.2	0.2	1.00		ug/L
MW-14	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	3.4	6.14	*	*	*		2.700	10.0	10	20		ug/L
MW-14	184	7440-22-4	Silver	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.59	*	*	J	1.900	10.0	10	20		ug/L
MW-15	200	71-55-6	1,1,1-Trichorethane	*	*	*	*	*	*	*	0.43	*	0.43	*	*	*	*	*	*	*		0.240	1.0	1	200		ug/L
MW-15	75	75-34-3	1,1-Dichloroethane	*	*	*	*	*	*	5.1	2.70	2.60	3.00	2.0	2.4	2.8	2.5	2.3	2.5	2.0	J	0.050	1.0	5	6		ug/L
MW-15	77	75-35-4	1,1-Dichloroethene	*	*	*	*	*	*	*	0.35	0.34	0.47	0.2	*	*	*	*	*	*		0.140	1.0	5	7.000		ug/L
MW-15	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	*	1.8	*	*	*	*	*	*		1.500	5.0	100	6000		ug/L
MW-15	15	7440-39-3	Barium	*	*	*	*	*	*	*	39.10	46.50	158.00	*	22.6	26.7	33.4	25.3	26.9	26.3	J	1.000	10.0	100	700		ug/L
MW-15	16	108-90-7	Benzene	*	*	*	*	*	*	*	*	*	0.53	0.4	0.43	0.57	0.49	0.56	0.66	*	J	0.050	1	1	1		ug/L
MW-15	41	75-00-3	Chloroethane	*	*	*	*	11	*	*	3.30	2.80	4.10	2.8	3.1	3.0	2.6	3.4	2.6	*	J	0.180	1.0	10	3000		ug/L
MW-15	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	0.2	*	*	*	*	0.56	*	J	0.300	1.0	10.0	3.000		ug/L
MW-15	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	*	22.2	6.7	2.86	*	*	*		1.000	10.0	10	10		ug/L
MW-15	140	156-59-2	cis-1,2-Dichloroethene	*	*	*	*	*	*	*	0.99	1.20	1.60	1.0	1.1	1.8	2.0	2.0	3.0	2.3	J	0.075	1.0	5	70		ug/L
MW-15	131	7439-92-1	Lead	*	*	*	*	*	*	*	4.90	*	**40.00**	10.0	*	*	3.28	*	*	*		1.900	10.0	10	15		ug/L
MW-15	409	108-38-3/106-42-3	m,p-Xylenes	*	*	*	*	*	*	*	*	0.69	0.84	*	0.68	0.79	0.75	0.91	0.59	*	J	0.180	2.0	NE	NE	NE	ug/L
MW-15	140	75-09-2	Methylene chloride	*	*	*	*	*	*	*	1.10	**2.70**	0.60	0.8	*	*	0.83	0.91	*	0.73	J	0.070	1.0	1	5.000		ug/L
MW-15	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	3.5	*	*	*	*		3.400	10.0	10	20		ug/L
MW-15	192	127-18-4	Tetrachloroethene	*	*	*	*	*	*	*	**5.70**	**2.60**	**2.50**	**1.0**	**2.2**	**3.1**	**2.7**	**2.3**	**2.7**	**2.6**		0.099	1.0	1	0.700		ug/L
MW-15	346	1330-20-7	Total Xylenes	*	*	*	*	*	*	*	*	0.69	0.84	*	0.68	0.79	0.75	0.91	0.59	*	J	0.220	1.0	5	500		ug/L
MW-15	201	79-01-6	Trichloroethene	*	*	*	*	*	*	*	**3.50**	2.50	**2.30**	1.8	1.9	2.4	2.8	2.3	3.0	3.6		0.130	1.0	1	3		ug/L
MW-15	201	75-69-4	Trichloroflouromethane	*	*	*	*	*	*	*	1.00	0.67	**1.40**	0.8	1.0	0.76	0.61	1.10	0.48	*	J	0.150	1.0	1	2000		ug/L
MW-15	211	75-01-4	Vinyl chloride	*	*	*	*	*	*	*	*	*	*	**0.3**	*	*	*	*	*	*		0.150	1.0	1	0.030		ug/L
MW-16S	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	7.60	NR	*	*	*	*	*	*		1.500	5.0	100	6000		ug/L
MW-16S	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	*	*	3.10	*	3.10	*	*	*		2.800	10.0	10	10		ug/L
MW-16S	15	7440-39-3	Barium	*	*	*	*	*	*	*	118.00	237.00	218.00	NR	61.0	60.6	41.1	69.9	36.0	51.3	J	1.000	10.0	100	700		ug/L
MW-16S	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.22	*	1.52	*	*		0.360	1.0	1	2.00		ug/L
MW-16S	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.67	*	J	0.300	1.0	10.0	3.000		ug/L

Davie County Monitoring Wells
April 2011 Detection Summary
Table With History

WELL ID	SWID	CAS	PARAMETER	Dec-03 RESULT	Jun-04 RESULT	Oct-04 RESULT	Apr-05 RESULT	Oct-05 RESULT	Mar-06 RESULT	Oct-06 RESULT	Apr-07 RESULT	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	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-16S	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	*	22.2	2.4	2.42	3.31	1.87	2.25	J	1.000	10.0	10	10		ug/L
MW-16S	131	7439-92-1	Lead	*	*	*	*	*	*	*	5.50	6.40	10.60	NR	*	2.4	*	2.03	*	3.17	J	1.900	10.0	10	15		ug/L
MW-16S	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	3.4	9.35	*	*	*		2.700	10.0	10	20		ug/L
MW-16D	75	75-34-3	1,1-Dichloroethane	*	*	*	*	*	*	6.5	3.40	3.40	5.90	0.4	5.1	5.4	5.3	6.0	5.1	4.4	J	0.050	1.0	5	6		ug/L
MW-16D	77	75-35-4	1,1-Dichloroethene	*	*	*	*	*	*	*	*	*	*	0.2	*	*	*	*	*	*		0.140	1.0	5	7.000		ug/L
MW-16D	199	106-46-7	1,4-Dichlorobenzene	*	*	*	*	*	*	*	*	*	0.91	0.5	0.86	0.94	1.20	1.20	1.30	1.10		0.100	1.0	1	6.0		ug/L
MW-16D	15	7440-39-3	Barium	*	*	*	*	*	*	*	52.90	66.00	79.10	NR	81.2	88.1	94.6	94.7	77.0	95.1	J	1.00	10.0	100	700		ug/L
MW-16D	16	71-43-2	Benzene	*	*	*	*	*	*	*	*	0.52	0.98	0.8	1.1	**1.2**	**1.4**	**1.5**	**1.6**	**1.5**		0.050	1.0	1	1.0		ug/L
MW-16D	41	75-00-3	Chloroethane	*	*	*	*	*	*	*	*	0.79	2.00	1.3	1.7	1.4	1.4	2.2	1.2	*	J	0.180	1.0	10	3000		ug/L
MW-16D	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	0.4	*	*	*	*	*	*		0.300	1.0	10.0	3.000		ug/L
MW-16D	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	*	22.2	2.4	1.08	*	*	*		1.000	10.0	10	10		ug/L
MW-16D	78	156-59-2	cis-1,2-Dichloroethene	*	*	*	*	*	*	5.2	2.60	3.60	4.90	4.0	4.6	5.0	6.0	6.9	6.7	6.2		0.075	1.0	5	70		ug/L
MW-16D	131	7439-92-1	Lead	*	*	*	*	*	*	*	5.50	6.40	10.60	NR	*	1.7	*	*	*	*		1.600	10.0	10	15		ug/L
MW-16D	137	75-09-2	Methylene chloride	*	*	*	*	*	*	*	0.72	**2.70**	0.94	1.3	*	*	2.1	2.4	1.7	1.5		0.070	1.0	1	5.000		ug/L
MW-16D	212	95-47-6	o-Xylene	*	*	*	*	*	*	*	*	0.33	0.50	*	0.44	0.40	0.48	0.54	0.59	*	J	0.088	1.0	NE	NE	NE	ug/L
MW-16D	192	127-18-4	Tetrachloroethene	*	*	*	*	*	*	*	**3.80**	**2.00**	**3.00**	**0.8**	**2.2**	**3.0**	**2.9**	**2.5**	**3.1**	**2.9**		0.099	1.0	1	0.700		ug/L
MW-16D	346	1330-20-7	Total Xylenes	*	*	*	*	*	*	*	*	*	*	*	0.44	0.40	0.48	0.54	0.59	*	J	0.220	1.0	5	500		ug/L
MW-16D	79	156-60-5	trans-1,2-Dichloroethene	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.51	*	J	0.340	1.0	5	100		ug/L
MW-16D	201	79-01-6	Trichloroethene	*	*	*	*	*	*	*	*	0.98	**1.40**	**1.0**	**1.3**	**1.5**	**1.7**	1.7	1.9	1.7		0.130	1.0	1	3	NE	ug/L
MW-16D	201	75-69-4	Trichloroflouromethane	*	*	*	*	*	*	*	1.20	0.54	1.20	0.6	0.79	0.79	0.73	0.81	0.58	*	J	0.150	1.0	1	2000		ug/L
MW-16D	211	75-01-4	Vinyl Chloride	*	*	*	*	*	*	*	*	0.39	0.51	0.6	0.57	0.53	**0.75**	**0.82**	**0.74**	*	J	0.083	1.0	1	0.030		ug/L
MW-17	15	7440-39-3	Barium	590	*	*	*	*	*	668	59.60	177.00	76.90	NR	81.5	121.0	105.0	51.3	90.2	71.2	J	1.000	10.0	100	700		ug/L
MW-17	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.14	*	*	*	1.07		0.090	1.0	1	2.00		ug/L
MW-17	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.10	*		0.300	1.0	10.0	3.000		ug/L
MW-17	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	*	*	*	22.2	5.3	6.62	3.70	4.99	2.64	J	1.000	10.0	10	10		ug/L
MW-17	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	43.7	7.2	8.7	4.4	8.04	5.19	J	1.900	10.0	10	15		ug/L
MW-17	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	3.8	4.8	*	*	*		2.700	10.0	10	20		ug/L
MW-18	14	7440-38-2	Arsenic															*	*	3.38	J	2.800	10.0	10	10		ug/L
MW-18	15	7440-39-3	Barium	*	*	*	*	*	*	*	16.10	11.60	10.20	NR	8.70	15.90	6.15	11.20	7.92	13.7	J	1.000	10.0	100	700		ug/L
MW-18	137	74-87-3	Chloromethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.81	*	J	0.300	1.0	10.0	3.000		ug/L
MW-18	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.72	J	0.090	1.0	1	2.00		ug/L
MW-18	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	3.40	3.00	NR	*	2.60	3.32	3.68	1.85	3.49	J	1.000	10.0	10	10		ug/L
MW-18	131	7439-92-1	Lead	*	*	*	*	*	*	*	8.30	2.70	2.00	NR	*	2.30	*	2.20	*	4.98	J	1.900	10.0	10	15		ug/L
SW-1	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	*	*	4.4	*	*	*	*	*		1.500	5.0	100	6000		ug/L
SW-1	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	*	*	3.10	*	3.09	*	*	2.8	J	2.800	10.0	10	10		ug/L
SW-1	15	7440-39-3	Barium	*	*	*	*	*	*	*	28.90	25.00	29.90	NR	24.2	25.9	22.0	21.9	18.8	19.3	J	1.000	10.0	100	700		ug/L
SW-1	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.34	J	1.900	10.0	10	15		ug/L

Davie County Monitoring Wells
April 2011 Detection Summary
Table With History

WELL ID	SWID	CAS	PARAMETER	Dec-03 RESULT	Jun-04 RESULT	Oct-04 RESULT	Apr-05 RESULT	Oct-05 RESULT	Mar-06 RESULT	Oct-06 RESULT	Apr-07 RESULT	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	Code	MDL	MRL	SWSL	2L	GWP	Units
SW-2	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	*	*	4.2	*	*	*	4.3	*	J	1.500	5.0	100	6000		ug/L
SW-2	14	7440-38-2	Arsenic	*	*	*	*	*	*	*	*	*	*	*	3.10	*	4.42	*	*	*		2.800	10.0	10	10		ug/L
SW-2	15	7440-39-3	Barium	*	*	*	*	*	*	*	29.30	24.30	30.30	NR	25.3	27.8	22.2	24.5	20.6	23.00	J	1.000	10.0	100	700		ug/L
SW-2	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	3.4	4.56	*	*	*		2.700	10.0	10	20		ug/L
SW-3	3	67-64-1	Acetone	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6.1	*	J	1.500	5.0	100	6000		ug/L
SW-3	15	7440-39-3	Barium	*	*	*	*	*	*	*	43.70	53.50	60.60	NR	*	56.00	50.80	59.30	58.70	75.40	J	1.000	10.0	100	700		ug/L
SW-3	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	3.40	3.00	NR	*	1.50	2.76	*	2.65	1.71	J	1.000	10.0	10	10		ug/L
SW-3	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.92	*	J	1.900	10.0	10	15		ug/L
SW-4	15	7440-39-3	Barium	*	*	*	*	*	*	*	41.40	22.20	29.10	NR	22.7	25.5	21.1	23.5	19.4	18.3	J	1.000	10.0	100	700		ug/L
SW-4	51	7440-47-3	Chromium	*	*	*	*	*	*	*	*	3.40	3.00	NR	*	1.50	1.66	*	*	*		1.000	10.0	10	10		ug/L
SW-4	183	7782-49-2	Selenium	*	*	*	*	*	*	*	*	*	*	*	*	3.4	3.27	*	*	*		2.700	10.0	10	20		ug/L

Davie County Monitoring Wells
April 2011 Exceedance
With History

WELL ID	SWID	CAS	PARAMETER	Dec-03 RESULT	Jun-04 RESULT	Oct-04 RESULT	Apr-05 RESULT	Oct-05 RESULT	Mar-06 RESULT	Oct-06 RESULT	Apr-07 RESULT	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	Code	(As of 2010) MDL	MRL	SWSL	2L	2L*	GWP	Units
MW-1	199	106-46-7	1,4- Dichlorobenzene	*	*	*	*	*	*	*	2.80	1.70	2.50	2.2	2.9	3.2	3.5	2.5	3.4	3.2		0.100	1.0	1	1.4	6.0	70.0	ug/L
MW-1	16	71-43-2	Benzene	*	5.5	*	6	5	5.2	*	*	1.80	1.70	1.5	1.8	2.4	2.4	2.0	1.7	1.2		0.050	1.0	1	1.0	1.0	NE	ug/L
MW-1	192	127-18-4	Tetrachloroethene	7	5.6	*	23	*	*	*	2.10	*	0.75	*	*	2.4	0.52	*	0.46	*		0.099	1.0	1	0.70	0.70	NE	ug/L
MW-1	201	79-01-6	Trichloroethene	*	8.8	7.9	9	*	11.7	11	10.00	9.00	8.00	7.7	8.4	7.2	8.2	5.5	7.0	6.4	J	0.130	1.0	1	2.8	3.0	NE	ug/L
MW-1	211	75-01-4	Vinyl chloride	*	*	*	*	*	*	*	4.00	2.10	2.60	4.1	3.0	2.7	3.4	2.8	2.5	1.8		0.083	1.0	1	0.015	0.030	NE	ug/L
MW-4	199	106-46-7	1,4- Dichlorobenzene	*	*	*	*	*	*	*	2.80	2.40	2.60	1.8	3.1	1.3	2.0	1.6	3.1	4.4		0.100	1.0	1	1.4	6.0	70.0	ug/L
MW-4	16	108-90-7	Benzene	*	*	*	*	*	*	*	*	2.90	2.90	2.2	2.8	1.8	2.0	1.8	1.9	2.5		0.050	1.0	1	1	1	NE	ug/L
MW-4	78	156-59-2	cis-1,2-Dichloroethene	32	10	20	22	55	76.6	56.0	16.00	24.00	15.00	10.0	14.0	4.0	7.1	4.3	6.9	9.2		0.075	1.0	5	70	70	NE	ug/L
MW-4	66	124-48-1	Dibromochloromethane	*	*	*	*	*	*	*	*	*	*	0.5	*	*	*	*	*	*		0.100	1.0	1.0	0.41	0.40	0.41	ug/L
MW-4	201	79-01-6	Trichloroethene	*	*	*	*	*	6.4	*	*	1.40	0.87	0.4	0.66	*	*	16.0	*	*		0.130	1.0	1	2.8	3	NE	ug/L
MW-4	211	75-01-4	Vinyl chloride	*	*	*	*	*	*	*	2.00	2.30	1.60	1.5	1.7	*	0.73	0.42	0.80	*	J	0.083	1.0	1	0.015	0.030	NE	ug/L
MW-5	75	75-34-3	1,1-Dichloroethane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6.3	7.4	6.3		0.050	1.0	5	70	6	NE	ug/L
MW-5	82	78-87-5	1,2 Dichloropropane	*	5.3	*	*	*	5.4	*	3.90	2.90	3.20	1.9	3.0	2.7	2.7	2.9	2.8	2.5		0.098	1.0	1	0.51	0.60	NE	ug/L
MW-5	199	106-46-7	1,4-Dichlorobenzene	*	*	*	*	*	*	*	2.10	0.65	1.40	1.0	1.3	1.6	1.2	1.2	1.6	1.5		0.100	1.0	1	1.4	6.0	NE	ug/L
MW-5	16	108-90-7	Benzene	*	*	*	*	*	*	*	*	2.80	3.30	2.0	2.8	2.9	2.9	2.8	2.9	2.9		0.050	1.0	1	1	1	NE	ug/L
MW-5	192	127-18-4	Tetrachloroethene	27	23	16	21	12	14.3	*	16.00	4.20	3.80	*	4.4	0.66	*	0.4	0.4	0.99	J	0.099	1.0	1	0.70	0.70	NE	ug/L
MW-5	201	79-01-6	Trichloroethene	25	24	15	20	*	21.4	18	20.00	10.00	15.00	13.1	14.0	22.0	19.0	16.0	17.0	15.0		0.130	1.0	1	2.8	3	NE	ug/L
MW-5	211	75-01-4	Vinyl chloride	*	*	*	*	*	*	*	0.99	0.61	0.91	1.0	0.93	0.69	0.91	1.10	1.00	0.66	J	0.083	1.0	1	0.015	0.030	NE	ug/L
MW-7	34	7440-43-9	Cadmium	*	*	*	*	*	*	*	*	*	*	*	*	0.09	5.31	*	0.37	*	J	0.36	1.0	1	1.75	2.00		ug/L
MW-7	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	4.8	*	23.0	*	4.9	*	J	1.90	10.0	10	15	15	NE	ug/L
MW-10	131	7439-92-1	Lead	*	*	*	*	*	*	*	5.30	3.90	2.70	NR	*	*	19.2	2.4	*	*		1.90	10.0	10	15	15	NE	ug/L
MW-10	192	127-18-4	Tetrachloroethene	13	*	*	6	*	6.5	7.7	8.20	5.20	7.00	3.0	6.5	9.5	9.2	9.1	9.9	*		0.099	1.0	1	0.700	0.700	NE	ug/L
MW-10	201	79-01-6	Trichloroethene	*	*	*	*	*	*	*	*	*	*	*	*	3.1	3.2	3.6	3.8	*		0.130	1.0	1	2.8	3	NE	ug/L
MW-12	131	7439-92-1	Lead	17	*	*	*	*	*	33.4	13.00	56.80	2.80	*	19.7	16.4	9.33	*	*	6.37		1.900	10.0	10	15	15	NE	ug/L
MW-12	192	127-18-4	Tetrachloroethene	*	*	*	*	*	*	*	*	0.54	0.69	NR	0.67	0.64	0.61	0.79	1.10	1.00		0.099	1.0	1	0.700	0.700	NE	ug/L
MW-14	131	7439-92-1	Lead	*	*	*	*	*	*	*	*	*	*	*	43.7	7.9	4.59	*	*	*		1.900	10.0	10	15	15	NE	ug/L

* The 2L standard was revised on February 5, 2010

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WELL ID	SWID	CAS	PARAMETER	Dec-03 RESULT	Jun-04 RESULT	Oct-04 RESULT	Apr-05 RESULT	Oct-05 RESULT	Mar-06 RESULT	Oct-06 RESULT	Apr-07 RESULT	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	Code	(As of 2010) MDL	MRL	SWSL	2L	2L*	GWP	Units
MW-15	131	7439-92-1	Lead	*	*	*	*	*	*	*	4.90	*	**40.00**	10.0	*	*	3.28	*	*	*		1.900	10.0	10	15	15	NE	ug/L
MW-15	140	75-09-2	Methylene chloride	*	*	*	*	*	*	*	1.10	**2.70**	0.60	0.8	*	*	0.83	0.91	*	0.73	J	0.070	2.0	1	2.600	5.000	2.6	ug/L
MW-15	192	127-18-4	Tetrachloroethene	*	*	*	*	*	*	*	**5.70**	**2.60**	**2.50**	**1.0**	**2.2**	**3.1**	**2.7**	**2.3**	**2.7**	**2.6**		0.099	1.0	1	0.700	0.700	NE	ug/L
MW-15	201	79-01-6	Trichloroethene	*	*	*	*	*	*	*	**3.50**	2.50	2.30	1.8	1.9	2.4	2.8	2.3	3.0	3.6		0.130	1.0	1	2.800	3.000	NE	ug/L
MW-15	211	75-01-4	Vinyl chloride	*	*	*	*	*	*	*	*	*	*	**0.3**	*	*	*	*	*	*		0.150	1.0	1	0.015	0.030	NE	ug/L
MW-16D	16	71-43-2	Benzene	*	*	*	*	*	*	*	*	0.52	0.98	0.8	**1.1**	**1.2**	**1.4**	**1.5**	**1.6**	**1.5**		0.200	1.0	1	1.0	1.0	NE	ug/L
MW-16D	137	75-09-2	Methylene chloride	*	*	*	*	*	*	*	0.72	**2.70**	0.94	1.3	*	*	2.1	2.4	1.7	1.5		0.530	2.0	1	2.600	5.000	2.6	ug/L
MW-16D	192	127-18-4	Tetrachloroethene	*	*	*	*	*	*	*	**3.80**	**2.00**	**3.00**	**0.8**	**2.2**	**3.0**	**2.9**	**2.5**	**3.1**	**2.9**		0.360	1.0	1	0.700	0.700	NE	ug/L
MW-16D	201	79-01-6	Tricholorethene	*	*	*	*	*	*	*	*	0.98	**1.40**	**1.0**	**1.3**	**1.5**	**1.7**	1.7	1.9	1.7		0.380	1.0	1	1	3	NE	ug/L
MW-16D	211	75-01-4	Vinyl Chloride	*	*	*	*	*	*	*	*	0.39	0.51	0.6	0.57	**0.53**	**0.75**	**0.82**	**0.74**	*	J	0.083	1.0	1	0.015	0.030	NE	ug/L

* did not meet minimum reporting parameter

* The 2L standard was revised on February 5, 2010

pH
6.16
6.16
6.16
6.16
6.16
5.08
5.08
5.08
5.08
5.08
5.08
6.54
6.54
6.54
6.54
6.54
6.54
6.54
6.09
6.09
6.86
6.86
6.86
6.64
6.64
6.87

* The 2L standard was revised on February 5, 2010

Davie County Monitoring Wells
April 2011 Exceedance
With History

pH
5.75
5.75
5.75
5.75
5.75
5.32
5.32
5.32
5.32
5.32

* The 2L standard was revised on February 5, 2010

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

Friday, April 22, 2011

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 - SW
ENCO Workorder: C104386

Dear Joy Howard,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 15, 2011.

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

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 25.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3001-SW1 Lab ID: [illegible] Sampled: [illegible] Received: [illegible]

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 10:27	4/19/2011 13:01
EPA 7470A	05/12/11	04/20/11 08:52	4/20/2011 14:26
EPA 8260B	04/28/11	04/20/11 11:25	4/22/2011 06:43

Client ID: 3001-SW2 Lab ID: [illegible] Sampled: [illegible] Received: [illegible]

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 10:27	4/19/2011 13:04
EPA 7470A	05/12/11	04/20/11 08:52	4/20/2011 14:29
EPA 8260B	04/28/11	04/20/11 11:25	4/22/2011 07:13

Client ID: 3001-SW3 Lab ID: [illegible] Sampled: [illegible] Received: [illegible]

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 10:27	4/19/2011 13:12
EPA 7470A	05/12/11	04/20/11 08:52	4/20/2011 14:32
EPA 8260B	04/28/11	04/20/11 11:25	4/22/2011 07:42

Client ID: 3001-SW4 Lab ID: [illegible] Sampled: [illegible] Received: [illegible]

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 10:27	4/19/2011 13:15
EPA 7470A	05/12/11	04/20/11 08:52	4/20/2011 14:35
EPA 8260B	04/28/11	04/20/11 11:25	4/22/2011 08:11

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 3001-SW1

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	2.82	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	19.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Lead - Total	2.34	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-SW2

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	23.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-SW3

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	75.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.71	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-SW4

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	18.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 3001-SW1
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-01
Sampled: 04/14/11 16:30
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/22/11 06:43	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/22/11 06:43	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/22/11 06:43	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/22/11 06:43	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/22/11 06:43	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/22/11 06:43	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/22/11 06:43	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/22/11 06:43	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/22/11 06:43	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/22/11 06:43	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/22/11 06:43	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/22/11 06:43	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/22/11 06:43	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/22/11 06:43	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/22/11 06:43	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/22/11 06:43	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/22/11 06:43	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/22/11 06:43	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/22/11 06:43	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/22/11 06:43	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/22/11 06:43	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/22/11 06:43	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/22/11 06:43	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/22/11 06:43	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/22/11 06:43	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/22/11 06:43	JKG	

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Description: 3001-SW1
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-01
Sampled: 04/14/11 16:30
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/22/11 06:43	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/22/11 06:43	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/22/11 06:43	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/22/11 06:43	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*1D20019*	*EPA 8260B*	*04/22/11 06:43*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*68-117*	*1D20019*	*EPA 8260B*	*04/22/11 06:43*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*69-110*	*1D20019*	*EPA 8260B*	*04/22/11 06:43*	*JKG*	

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Description: 3001-SW1
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-01
Sampled: 04/14/11 16:30
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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	04/20/11 14:26	NLH	

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Description: 3001-SW1
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-01
Sampled: 04/14/11 16:30
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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] ^	**2.82**	J	ug/L	1	2.80	10.0	10	EPA 6010C	04/19/11 13:01	JDH	
Barium [7440-39-3] ^	**19.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 13:01	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 13:01	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 13:01	JDH	
Lead [7439-92-1] ^	**2.34**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 13:01	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 13:01	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 13:01	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: 3001-SW2
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-02
Sampled: 04/14/11 12:50
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/22/11 07:13	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/22/11 07:13	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/22/11 07:13	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/22/11 07:13	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/22/11 07:13	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/22/11 07:13	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/22/11 07:13	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/22/11 07:13	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/22/11 07:13	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/22/11 07:13	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/22/11 07:13	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/22/11 07:13	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/22/11 07:13	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/22/11 07:13	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/22/11 07:13	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/22/11 07:13	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/22/11 07:13	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/22/11 07:13	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/22/11 07:13	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/22/11 07:13	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/22/11 07:13	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/22/11 07:13	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/22/11 07:13	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/22/11 07:13	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/22/11 07:13	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/22/11 07:13	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 07:13	JKG	

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Description: 3001-SW2
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-02
Sampled: 04/14/11 12:50
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/22/11 07:13	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/22/11 07:13	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/22/11 07:13	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*51-122*	*1D20019*	*EPA 8260B*	*04/22/11 07:13*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*1D20019*	*EPA 8260B*	*04/22/11 07:13*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*69-110*	*1D20019*	*EPA 8260B*	*04/22/11 07:13*	*JKG*	

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Description: 3001-SW2
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-02
Sampled: 04/14/11 12:50
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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	04/20/11 14:29	NLH	

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Description: 3001-SW2
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-02
Sampled: 04/14/11 12:50
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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	04/19/11 13:04	JDH	
Barium [7440-39-3] ^	**23.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 13:04	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 13:04	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 13:04	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 13:04	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 13:04	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 13:04	JDH	

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Description: 3001-SW3
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-03
Sampled: 04/14/11 10:30
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/22/11 07:42	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/22/11 07:42	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/22/11 07:42	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/22/11 07:42	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/22/11 07:42	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/22/11 07:42	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/22/11 07:42	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/22/11 07:42	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/22/11 07:42	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/22/11 07:42	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/22/11 07:42	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/22/11 07:42	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/22/11 07:42	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/22/11 07:42	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/22/11 07:42	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/22/11 07:42	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/22/11 07:42	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/22/11 07:42	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/22/11 07:42	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/22/11 07:42	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/22/11 07:42	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/22/11 07:42	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/22/11 07:42	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/22/11 07:42	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/22/11 07:42	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/22/11 07:42	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 07:42	JKG	

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Description: 3001-SW3
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-03
Sampled: 04/14/11 10:30
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/22/11 07:42	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/22/11 07:42	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/22/11 07:42	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*1D20019*	*EPA 8260B*	*04/22/11 07:42*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*68-117*	*1D20019*	*EPA 8260B*	*04/22/11 07:42*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*1D20019*	*EPA 8260B*	*04/22/11 07:42*	*JKG*	

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Description: 3001-SW3
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-03
Sampled: 04/14/11 10:30
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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	04/20/11 14:32	NLH	

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Description: 3001-SW3
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-03
Sampled: 04/14/11 10:30
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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	04/19/11 13:12	JDH	
Barium [7440-39-3] ^	**75.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 13:12	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 13:12	JDH	
Chromium [7440-47-3] ^	**1.71**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 13:12	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 13:12	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 13:12	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 13:12	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: 3001-SW4
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-04
Sampled: 04/14/11 16:50
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/22/11 08:11	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/22/11 08:11	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/22/11 08:11	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/22/11 08:11	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/22/11 08:11	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/22/11 08:11	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/22/11 08:11	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/22/11 08:11	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/22/11 08:11	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/22/11 08:11	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/22/11 08:11	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/22/11 08:11	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/22/11 08:11	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/22/11 08:11	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/22/11 08:11	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/22/11 08:11	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/22/11 08:11	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/22/11 08:11	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/22/11 08:11	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/22/11 08:11	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/22/11 08:11	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/22/11 08:11	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/22/11 08:11	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/22/11 08:11	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/22/11 08:11	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/22/11 08:11	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 08:11	JKG	

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Description: 3001-SW4
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-04
Sampled: 04/14/11 16:50
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/22/11 08:11	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/22/11 08:11	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/22/11 08:11	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*1D20019*	*EPA 8260B*	*04/22/11 08:11*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*87 %*	*68-117*	*1D20019*	*EPA 8260B*	*04/22/11 08:11*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*1D20019*	*EPA 8260B*	*04/22/11 08:11*	*JKG*	

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Description: 3001-SW4
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-04
Sampled: 04/14/11 16:50
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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	04/20/11 14:35	NLH	

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Description: 3001-SW4
Matrix: Surface Water
Project: Davie County Landfill - SW

Lab Sample ID: C104386-04
Sampled: 04/14/11 16:50
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104386

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	04/19/11 13:15	JDH	
Barium [7440-39-3] ^	**18.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 13:15	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 13:15	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 13:15	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 13:15	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 13:15	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 13:15	JDH	

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

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1D20019 - EPA 5030B_MS

Blank (1D20019-BLK1) Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 02:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	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	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	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	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	1.4	U	2.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
o-Xylene	0.63	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1D20019 - EPA 5030B_MS

Blank (1D20019-BLK1) Continued Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 02:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*85*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*87*	*69-110*			

LCS (1D20019-BS1) Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 02:51

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		97	75-133			
Benzene	20		1.0	ug/L	20.0		99	81-134			
Chlorobenzene	22		1.0	ug/L	20.0		108	83-117			
Toluene	21		1.0	ug/L	20.0		104	71-118			
Trichloroethene	20		1.0	ug/L	20.0		102	75-115			
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*69-110*			

Matrix Spike (1D20019-MS1) Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 03:20

Source: C104840-08

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	0.60 U	95	75-133			
Benzene	19		1.0	ug/L	20.0	0.68 U	95	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	102	83-117			
Toluene	20		1.0	ug/L	20.0	0.85 U	102	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	106	75-115			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*91*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*89*	*69-110*			

Matrix Spike Dup (1D20019-MSD1) Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 03:50

Source: C104840-08

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	0.60 U	96	75-133	0.7	20	
Benzene	18		1.0	ug/L	20.0	0.68 U	91	81-134	4	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	102	83-117	0.05	16	
Toluene	20		1.0	ug/L	20.0	0.85 U	99	71-118	3	17	
Trichloroethene	20		1.0	ug/L	20.0	0.72 U	98	75-115	8	18	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*69-110*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1D20011 - EPA 245.1

Blank (1D20011-BLK1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:06

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1D20011 - EPA 245.1

Blank (1D20011-BLK1) Continued — Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:06

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 (1D20011-BS1) — Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.95		0.200	ug/L	5.00		99	85-115			

Matrix Spike (1D20011-MS1) — Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:15

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.07		0.200	ug/L	5.00	0.170 U	101	85-115			

Matrix Spike Dup (1D20011-MSD1) — Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:18

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.20		0.200	ug/L	5.00	0.170 U	104	85-115	2	15	

Post Spike (1D20011-PS1) — Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:22

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.31		0.200	ug/L	5.00	-0.00490	86	75-125			

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

Batch 1D18018 - EPA 3005A

Blank (1D18018-BLK1) — Prepared: 04/18/2011 10:27 Analyzed: 04/19/2011 11:56

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 (1D18018-BS1) — Prepared: 04/18/2011 10:27 Analyzed: 04/19/2011 11:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	493		10.0	ug/L	500		99	80-120			
Barium	486		10.0	ug/L	500		97	80-120			
Cadmium	246		1.00	ug/L	250		98	80-120			
Chromium	483		10.0	ug/L	500		97	80-120			

QUALITY CONTROL

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

Batch 1D18018 - EPA 3005A

LCS (1D18018-BS1) Continued Prepared: 04/18/2011 10:27 Analyzed: 04/19/2011 11:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	491		10.0	ug/L	500		98	80-120			
Selenium	497		10.0	ug/L	500		99	80-120			
Silver	244		10.0	ug/L	250		98	80-120			

Matrix Spike (1D18018-MS1) Prepared: 04/18/2011 10:27 Analyzed: 04/19/2011 12:06

Source: C104359-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	494		10.0	ug/L	500	2.80 U	99	75-125			
Barium	556		10.0	ug/L	500	56.4	100	75-125			
Cadmium	248		1.00	ug/L	250	0.360 U	99	75-125			
Chromium	510		10.0	ug/L	500	15.1	99	75-125			
Lead	502		10.0	ug/L	500	6.29	99	75-125			
Selenium	494		10.0	ug/L	500	2.70 U	99	75-125			
Silver	247		10.0	ug/L	250	1.90 U	99	75-125			

Matrix Spike Dup (1D18018-MSD1) Prepared: 04/18/2011 10:27 Analyzed: 04/19/2011 12:15

Source: C104359-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	499		10.0	ug/L	500	2.80 U	100	75-125	1	20	
Barium	559		10.0	ug/L	500	56.4	101	75-125	0.5	20	
Cadmium	250		1.00	ug/L	250	0.360 U	100	75-125	0.8	20	
Chromium	515		10.0	ug/L	500	15.1	100	75-125	1	20	
Lead	503		10.0	ug/L	500	6.29	99	75-125	0.1	20	
Selenium	493		10.0	ug/L	500	2.70 U	99	75-125	0.2	20	
Silver	250		10.0	ug/L	250	1.90 U	100	75-125	1	20	

Post Spike (1D18018-PS1) Prepared: 04/18/2011 10:27 Analyzed: 04/19/2011 12:17

Source: C104359-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.974		0.0100	mg/L	1.00	0.00188	97	80-120			
Barium	1.02		0.0100	mg/L	1.00	0.0564	97	80-120			
Cadmium	0.487		0.00100	mg/L	0.500	9.73E-5	97	80-120			
Chromium	0.990		0.0100	mg/L	1.00	0.0151	97	80-120			
Lead	0.962		0.0100	mg/L	1.00	0.00629	96	80-120			
Selenium	0.972		0.0100	mg/L	1.00	0.000988	97	80-120			
Silver	0.511		0.0100	mg/L	0.500	-6.70E-5	102	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

10775 Central Port Dr
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

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 - SW
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 / S&ME, Inc.	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone:

Requested Analyses: 8260B Appendix 1; 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: C104386

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	Ag,As,Ba,Cd,Cr,Pb,Se	Hg								Sample Comments
	3001-SW1	4/14/11	1630	G	SW	4	X	X	X								
	3001-SW2	4/14/11	1250	G	SW	4	X	X	X								
	3001-SW3	4/14/11	1030	G	SW	4	X	X	X								
	3001-SW4	4/14/11	1650	G	SW	4	X	X	X								

<-- Total # of Containers

Sample(s) Received By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
[signature]	4/15/11	[signature]	4/14/11	[signature]	4/15/11 1245
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: 2.1°C		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: H-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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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Friday, April 22, 2011

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
ENCO Workorder: C104384

Dear Joy Howard,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 15, 2011.

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 68.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3001-MW1 MS/MSD **Lab ID: C104384-01** **Sampled: 04/14/11 08:05** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 10:22	4/19/2011 10:41
EPA 7470A	05/12/11	04/20/11 08:45	4/20/2011 14:44
EPA 8260B	04/28/11	04/20/11 08:55	4/20/2011 16:16

Client ID: 3001-MW2 **Lab ID: C104384-02** **Sampled: 04/14/11 12:25** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 10:22	4/19/2011 11:14
EPA 7470A	05/12/11	04/20/11 08:45	4/20/2011 15:57
EPA 8260B	04/28/11	04/20/11 08:55	4/20/2011 16:46

Client ID: 3001-MW3 **Lab ID: C104384-03** **Sampled: 04/14/11 10:05** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 10:22	4/19/2011 11:16
EPA 7470A	05/12/11	04/20/11 08:45	4/20/2011 16:00
EPA 8260B	04/28/11	04/20/11 08:55	4/20/2011 17:15

Client ID: 3001-MW4 **Lab ID: C104384-04** **Sampled: 04/14/11 09:05** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 10:22	4/19/2011 11:18
EPA 7470A	05/12/11	04/20/11 08:45	4/20/2011 16:03
EPA 8260B	04/28/11	04/20/11 08:55	4/20/2011 17:45

Client ID: 3001-MW12 **Lab ID: C104384-05** **Sampled: 04/13/11 14:15** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/10/11	04/18/11 10:22	4/19/2011 11:20
EPA 7470A	05/11/11	04/20/11 08:45	4/20/2011 16:06
EPA 8260B	04/27/11	04/20/11 08:55	4/20/2011 18:14

Client ID: 3001-MW13A **Lab ID: C104384-06** **Sampled: 04/13/11 13:15** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/10/11	04/18/11 10:22	4/19/2011 11:23
EPA 7470A	05/11/11	04/20/11 08:45	4/20/2011 16:09
EPA 8260B	04/27/11	04/20/11 08:55	4/20/2011 18:43

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Client ID: 3001-MW14	Lab ID: C104384-07	Sampled: 04/14/11 11:25	Received: 04/15/11 12:45
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	10/11/11	04/18/11 10:22	4/19/2011 11:25
EPA 7470A	05/12/11	04/20/11 08:45	4/20/2011 16:12
EPA 8260B	04/28/11	04/20/11 08:55	4/20/2011 19:13

Client ID: 3001-MW15	Lab ID: C104384-08	Sampled: 04/13/11 12:20	Received: 04/15/11 12:45
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	10/10/11	04/18/11 10:22	4/19/2011 11:27
EPA 7470A	05/11/11	04/20/11 08:45	4/20/2011 16:15
EPA 8260B	04/27/11	04/20/11 08:55	4/20/2011 19:42

Client ID: 3001-MW16S	Lab ID: C104384-09	Sampled: 04/13/11 09:40	Received: 04/15/11 12:45
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	10/10/11	04/18/11 10:22	4/19/2011 11:41
EPA 7470A	05/11/11	04/20/11 08:45	4/20/2011 16:17
EPA 8260B	04/27/11	04/20/11 08:55	4/20/2011 20:12

Client ID: 3001-MW16D	Lab ID: C104384-10	Sampled: 04/13/11 09:00	Received: 04/15/11 12:45
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	10/10/11	04/18/11 10:22	4/19/2011 11:43
EPA 7470A	05/11/11	04/20/11 08:45	4/20/2011 16:20
EPA 8260B	04/27/11	04/20/11 08:55	4/20/2011 20:41

Client ID: 3001-MW17	Lab ID: C104384-11	Sampled: 04/13/11 10:20	Received: 04/15/11 12:45
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	10/10/11	04/18/11 10:22	4/19/2011 11:45
EPA 7470A	05/11/11	04/20/11 08:52	4/20/2011 13:12
EPA 8260B	04/27/11	04/20/11 08:55	4/20/2011 21:11

Client ID: 3001-MW18	Lab ID: C104384-12	Sampled: 04/13/11 11:05	Received: 04/15/11 12:45
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	10/10/11	04/18/11 10:22	4/19/2011 11:48
EPA 7470A	05/11/11	04/20/11 08:52	4/20/2011 13:56
EPA 8260B	04/27/11	04/20/11 08:55	4/20/2011 21:40

Client ID: 3001-DUP	Lab ID: C104384-13	Sampled: 04/13/11 07:00	Received: 04/15/11 12:45
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	10/10/11	04/18/11 10:22	4/19/2011 11:50
EPA 7470A	05/11/11	04/20/11 08:52	4/20/2011 13:59
EPA 8260B	04/27/11	04/20/11 08:55	4/20/2011 22:10

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Client ID: 3001-TRIPBLANK	Lab ID: C104384-14	Sampled: 04/14/11 08:05	Received: 04/15/11 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/28/11	04/20/11 08:55	4/20/2011 22:39

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 3001-MW1 MS/MSD **Lab ID: C104384-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	3.2	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.2		1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	343		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.2		1	0.68	1.0	1	ug/L	EPA 8260B	
Chromium - Total	1.51	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	12		1	0.72	1.0	5	ug/L	EPA 8260B	
Lead - Total	3.45	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Trichloroethene	6.4		1	0.72	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	1.8		1	0.60	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW2 **Lab ID: C104384-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	76.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Lead - Total	2.03	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW3 **Lab ID: C104384-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	0.91	J	1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	18.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Lead - Total	2.66	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW4 **Lab ID: C104384-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	3.1	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	4.4		1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	110		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	2.5		1	0.68	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	1.2	J	1	0.74	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	9.2		1	0.72	1.0	5	ug/L	EPA 8260B	

Client ID: 3001-MW12 **Lab ID: C104384-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	20.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	1.35		1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	4.86	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	6.37	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	1.0		1	0.73	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW13A **Lab ID: C104384-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	11.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	5.01	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.27	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW14 **Lab ID: C104384-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	262		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.05	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW15 **Lab ID: C104384-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.0	J	1	0.080	1.0	5	ug/L	EPA 8260B	
Barium - Total	26.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	2.3	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Methylene chloride	0.73	J	1	0.14	1.0	1	ug/L	EPA 8260B	
Tetrachloroethene	2.6		1	0.73	1.0	1	ug/L	EPA 8260B	
Trichloroethene	3.6		1	0.72	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW16S **Lab ID: C104384-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	51.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.25	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.17	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW16D **Lab ID: C104384-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	4.4	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.1		1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	95.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.5		1	0.68	1.0	1	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	6.2		1	0.72	1.0	5	ug/L	EPA 8260B	
Methylene chloride	1.5		1	0.14	1.0	1	ug/L	EPA 8260B	
Tetrachloroethene	2.9		1	0.73	1.0	1	ug/L	EPA 8260B	
Trichloroethene	1.7		1	0.72	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW17 **Lab ID: C104384-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	71.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	1.07		1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	2.64	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	5.19	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW18 **Lab ID: C104384-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.38	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	13.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.722	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	3.49	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.98	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-DUP **Lab ID: C104384-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	4.7	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.2		1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	95.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.4		1	0.68	1.0	1	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	6.6		1	0.72	1.0	5	ug/L	EPA 8260B	
Methylene chloride	1.9		1	0.14	1.0	1	ug/L	EPA 8260B	
Tetrachloroethene	2.8		1	0.73	1.0	1	ug/L	EPA 8260B	
Trichloroethene	1.8		1	0.72	1.0	1	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: 3001-MW1 MS/MSD
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-01
Sampled: 04/14/11 08:05
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 16:16	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 16:16	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
1,1-Dichloroethane [75-34-3] ^	**3.2**	J	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 16:16	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 16:16	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 16:16	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 16:16	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**3.2**		ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 16:16	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 16:16	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 16:16	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 16:16	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 16:16	jkg	
Benzene [71-43-2] ^	**1.2**		ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 16:16	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 16:16	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 16:16	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 16:16	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 16:16	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 16:16	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 16:16	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**12**		ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 16:16	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 16:16	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 16:16	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 16:16	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 16:16	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 16:16	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 16:16	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 16:16	jkg	

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Description: 3001-MW1 MS/MSD
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-01
Sampled: 04/14/11 08:05
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 16:16	jkg	
Trichloroethene [79-01-6] ^	**6.4**		ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 16:16	jkg	
Vinyl chloride [75-01-4] ^	**1.8**		ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 16:16	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 16:16	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 16:16*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 16:16*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*102 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 16:16*	*jkg*	

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Description: 3001-MW1 MS/MSD
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-01
Sampled: 04/14/11 08:05
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 14:44	NLH	

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Description: 3001-MW1 MS/MSD
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-01
Sampled: 04/14/11 08:05
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/19/11 10:41	JDH	
Barium [7440-39-3] ^	**343**		ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 10:41	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 10:41	JDH	
Chromium [7440-47-3] ^	**1.51**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 10:41	JDH	
Lead [7439-92-1] ^	**3.45**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 10:41	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 10:41	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 10:41	JDH	

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Description: 3001-MW2 | **Lab Sample ID:** C104384-02 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 12:25 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 16:46	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 16:46	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 16:46	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 16:46	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 16:46	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 16:46	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 16:46	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 16:46	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 16:46	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 16:46	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 16:46	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 16:46	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 16:46	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 16:46	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 16:46	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 16:46	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 16:46	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 16:46	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 16:46	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 16:46	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 16:46	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 16:46	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 16:46	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 16:46	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 16:46	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 16:46	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 16:46	jkg	

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Description: 3001-MW2 | **Lab Sample ID:** C104384-02 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 12:25 | **Work Order:** C104384

Project: Davie County Landfill | **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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 16:46	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 16:46	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 16:46	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 16:46*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 16:46*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*101 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 16:46*	*jkg*	

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Description: 3001-MW2
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-02
Sampled: 04/14/11 12:25
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 15:57	NLH	

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Description: 3001-MW2 | **Lab Sample ID:** C104384-02 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 12:25 | **Work Order:** C104384

Project: Davie County Landfill | **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	04/19/11 11:14	JDH	
Barium [7440-39-3] ^	**76.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:14	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:14	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:14	JDH	
Lead [7439-92-1] ^	**2.03**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:14	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:14	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:14	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: 3001-MW3 | **Lab Sample ID:** C104384-03 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 10:05 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 17:15	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 17:15	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 17:15	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 17:15	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 17:15	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 17:15	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**0.91**	J	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 17:15	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 17:15	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 17:15	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 17:15	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 17:15	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 17:15	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 17:15	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 17:15	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 17:15	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 17:15	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 17:15	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 17:15	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 17:15	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 17:15	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 17:15	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 17:15	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 17:15	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 17:15	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 17:15	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 17:15	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 17:15	jkg	

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Description: 3001-MW3 | **Lab Sample ID:** C104384-03 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 10:05 | **Work Order:** C104384

Project: Davie County Landfill | **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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 17:15	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 17:15	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 17:15	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 17:15*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 17:15*	*jkg*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 17:15*	*jkg*	

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Description: 3001-MW3
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-03
Sampled: 04/14/11 10:05
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 16:00	NLH	

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Description: 3001-MW3 | **Lab Sample ID:** C104384-03 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 10:05 | **Work Order:** C104384

Project: Davie County Landfill | **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	04/19/11 11:16	JDH	
Barium [7440-39-3] ^	**18.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:16	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:16	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:16	JDH	
Lead [7439-92-1] ^	**2.66**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:16	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:16	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:16	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: 3001-MW4 | **Lab Sample ID:** C104384-04 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 09:05 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 17:45	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 17:45	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
1,1-Dichloroethane [75-34-3] ^	**3.1**	J	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 17:45	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 17:45	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 17:45	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 17:45	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**4.4**		ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 17:45	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 17:45	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 17:45	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 17:45	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 17:45	jkg	
Benzene [71-43-2] ^	**2.5**		ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 17:45	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 17:45	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 17:45	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 17:45	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Chlorobenzene [108-90-7] ^	**1.2**	J	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 17:45	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 17:45	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 17:45	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**9.2**		ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 17:45	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 17:45	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 17:45	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 17:45	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 17:45	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 17:45	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 17:45	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 17:45	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 17:45	jkg	

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Description: 3001-MW4 | **Lab Sample ID:** C104384-04 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 09:05 | **Work Order:** C104384

Project: Davie County Landfill | **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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 17:45	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 17:45	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 17:45	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 17:45*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*99 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 17:45*	*jkg*	
Toluene-d8	*50*	*1*	*50.0*	*99 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 17:45*	*jkg*	

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Description: 3001-MW4 | **Lab Sample ID:** C104384-04 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 09:05 | **Work Order:** C104384

Project: Davie County Landfill | **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	04/20/11 16:03	NLH	

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Description: 3001-MW4 | **Lab Sample ID:** C104384-04 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 09:05 | **Work Order:** C104384

Project: Davie County Landfill | **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	04/19/11 11:18	JDH	
Barium [7440-39-3] ^	**110**		ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:18	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:18	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:18	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:18	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:18	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: 3001-MW12 | **Lab Sample ID:** C104384-05 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 14:15 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 18:14	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 18:14	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 18:14	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 18:14	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 18:14	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 18:14	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 18:14	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 18:14	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 18:14	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 18:14	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 18:14	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 18:14	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 18:14	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 18:14	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 18:14	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 18:14	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 18:14	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 18:14	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 18:14	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 18:14	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 18:14	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 18:14	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 18:14	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 18:14	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Tetrachloroethene [127-18-4] ^	**1.0**		ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 18:14	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 18:14	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 18:14	jkg	

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Description: 3001-MW12 | **Lab Sample ID:** C104384-05 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 14:15 | **Work Order:** C104384

Project: Davie County Landfill | **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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 18:14	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 18:14	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 18:14	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 18:14*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 18:14*	*jkg*	
Toluene-d8	*50*	*1*	*50.0*	*101 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 18:14*	*jkg*	

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Description: 3001-MW12
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-05
Sampled: 04/13/11 14:15
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 16:06	NLH	

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Description: 3001-MW12 | **Lab Sample ID:** C104384-05 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 14:15 | **Work Order:** C104384

Project: Davie County Landfill | **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	04/19/11 11:20	JDH	
Barium [7440-39-3] ^	**20.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:20	JDH	
Cadmium [7440-43-9] ^	**1.35**		ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:20	JDH	
Chromium [7440-47-3] ^	**4.86**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:20	JDH	
Lead [7439-92-1] ^	**6.37**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:20	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:20	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:20	JDH	

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Description: 3001-MW13A
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-06
Sampled: 04/13/11 13:15
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 18:43	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 18:43	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 18:43	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 18:43	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 18:43	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 18:43	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 18:43	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 18:43	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 18:43	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 18:43	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 18:43	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 18:43	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 18:43	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 18:43	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 18:43	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 18:43	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 18:43	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 18:43	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 18:43	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 18:43	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 18:43	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 18:43	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 18:43	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 18:43	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 18:43	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 18:43	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 18:43	jkg	

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Description: 3001-MW13A
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-06
Sampled: 04/13/11 13:15
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 18:43	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 18:43	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 18:43	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*99 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 18:43*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 18:43*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*105 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 18:43*	*jkg*	

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Description: 3001-MW13A
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-06
Sampled: 04/13/11 13:15
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 16:09	NLH	

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Description: 3001-MW13A
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-06
Sampled: 04/13/11 13:15
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/19/11 11:23	JDH	
Barium [7440-39-3] ^	**11.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:23	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:23	JDH	
Chromium [7440-47-3] ^	**5.01**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:23	JDH	
Lead [7439-92-1] ^	**4.27**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:23	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:23	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:23	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: 3001-MW14 | **Lab Sample ID:** C104384-07 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 11:25 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 19:13	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 19:13	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 19:13	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 19:13	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 19:13	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 19:13	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 19:13	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 19:13	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 19:13	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 19:13	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 19:13	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 19:13	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 19:13	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 19:13	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 19:13	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 19:13	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 19:13	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 19:13	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 19:13	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 19:13	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 19:13	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 19:13	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 19:13	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 19:13	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 19:13	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 19:13	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 19:13	jkg	

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Description: 3001-MW14 | **Lab Sample ID:** C104384-07 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 11:25 | **Work Order:** C104384

Project: Davie County Landfill | **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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 19:13	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 19:13	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 19:13	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*105 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 19:13*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 19:13*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*103 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 19:13*	*jkg*	

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Description: 3001-MW14
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-07
Sampled: 04/14/11 11:25
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 16:12	NLH	

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Description: 3001-MW14 | **Lab Sample ID:** C104384-07 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 11:25 | **Work Order:** C104384

Project: Davie County Landfill | **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	04/19/11 11:25	JDH	
Barium [7440-39-3] ^	**262**		ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:25	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:25	JDH	
Chromium [7440-47-3] ^	**2.05**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:25	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:25	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:25	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:25	JDH	

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Description: 3001-MW15 | **Lab Sample ID:** C104384-08 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 12:20 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 19:42	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 19:42	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
1,1-Dichloroethane [75-34-3] ^	**2.0**	J	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 19:42	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 19:42	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 19:42	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 19:42	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 19:42	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 19:42	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 19:42	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 19:42	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 19:42	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 19:42	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 19:42	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 19:42	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 19:42	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 19:42	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 19:42	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 19:42	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**2.3**	J	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 19:42	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 19:42	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 19:42	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 19:42	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 19:42	jkg	
Methylene chloride [75-09-2] ^	**0.73**	J	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 19:42	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Tetrachloroethene [127-18-4] ^	**2.6**		ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 19:42	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 19:42	jkg	
Trichloroethene [79-01-6] ^	**3.6**		ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 19:42	jkg	

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Description: 3001-MW15 | **Lab Sample ID:** C104384-08 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 12:20 | **Work Order:** C104384

Project: Davie County Landfill | **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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 19:42	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 19:42	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 19:42	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 19:42*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 19:42*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*103 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 19:42*	*jkg*	

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Description: 3001-MW15
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-08
Sampled: 04/13/11 12:20
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 16:15	NLH	

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Description: 3001-MW15 | **Lab Sample ID:** C104384-08 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 12:20 | **Work Order:** C104384

Project: Davie County Landfill | **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	04/19/11 11:27	JDH	
Barium [7440-39-3] ^	**26.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:27	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:27	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:27	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:27	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:27	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:27	JDH	

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Description: 3001-MW16S
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-09
Sampled: 04/13/11 09:40
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 20:12	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 20:12	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 20:12	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 20:12	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 20:12	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 20:12	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 20:12	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 20:12	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 20:12	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 20:12	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 20:12	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 20:12	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 20:12	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 20:12	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 20:12	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 20:12	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 20:12	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 20:12	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 20:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 20:12	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 20:12	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 20:12	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 20:12	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 20:12	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 20:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 20:12	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 20:12	jkg	

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Description: 3001-MW16S
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-09
Sampled: 04/13/11 09:40
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 20:12	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 20:12	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 20:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 20:12*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 20:12*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*106 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 20:12*	*jkg*	

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Description: 3001-MW16S
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-09
Sampled: 04/13/11 09:40
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 16:17	NLH	

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Description: 3001-MW16S
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-09
Sampled: 04/13/11 09:40
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/19/11 11:41	JDH	
Barium [7440-39-3] ^	**51.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:41	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:41	JDH	
Chromium [7440-47-3] ^	**2.25**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:41	JDH	
Lead [7439-92-1] ^	**3.17**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:41	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:41	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:41	JDH	

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Description: 3001-MW16D
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-10
Sampled: 04/13/11 09:00
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 20:41	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 20:41	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
1,1-Dichloroethane [75-34-3] ^	**4.4**	J	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 20:41	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 20:41	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 20:41	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 20:41	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**1.1**		ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 20:41	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 20:41	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 20:41	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 20:41	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 20:41	jkg	
Benzene [71-43-2] ^	**1.5**		ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 20:41	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 20:41	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 20:41	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 20:41	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 20:41	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 20:41	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 20:41	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**6.2**		ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 20:41	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 20:41	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 20:41	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 20:41	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 20:41	jkg	
Methylene chloride [75-09-2] ^	**1.5**		ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 20:41	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Tetrachloroethene [127-18-4] ^	**2.9**		ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 20:41	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 20:41	jkg	
Trichloroethene [79-01-6] ^	**1.7**		ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 20:41	jkg	

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Description: 3001-MW16D
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-10
Sampled: 04/13/11 09:00
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 20:41	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 20:41	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 20:41	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 20:41*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 20:41*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*108 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 20:41*	*jkg*	

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Description: 3001-MW16D
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-10
Sampled: 04/13/11 09:00
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 16:20	NLH	

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Description: 3001-MW16D
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-10
Sampled: 04/13/11 09:00
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/19/11 11:43	JDH	
Barium [7440-39-3] ^	**95.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:43	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:43	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:43	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:43	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:43	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:43	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: 3001-MW17 | **Lab Sample ID:** C104384-11 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 10:20 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 21:11	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 21:11	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 21:11	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 21:11	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 21:11	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 21:11	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 21:11	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 21:11	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 21:11	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 21:11	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 21:11	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 21:11	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 21:11	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 21:11	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 21:11	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 21:11	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 21:11	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 21:11	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 21:11	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 21:11	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 21:11	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 21:11	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 21:11	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 21:11	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 21:11	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 21:11	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 21:11	jkg	

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Description: 3001-MW17 | **Lab Sample ID:** C104384-11 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 10:20 | **Work Order:** C104384

Project: Davie County Landfill | **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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 21:11	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 21:11	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 21:11	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 21:11*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*97 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 21:11*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*102 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 21:11*	*jkg*	

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Description: 3001-MW17
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-11
Sampled: 04/13/11 10:20
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 13:12	NLH	

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Description: 3001-MW17 | **Lab Sample ID:** C104384-11 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 10:20 | **Work Order:** C104384

Project: Davie County Landfill | **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	04/19/11 11:45	JDH	
Barium [7440-39-3] ^	**71.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:45	JDH	
Cadmium [7440-43-9] ^	**1.07**		ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:45	JDH	
Chromium [7440-47-3] ^	**2.64**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:45	JDH	
Lead [7439-92-1] ^	**5.19**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:45	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:45	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:45	JDH	

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Description: 3001-MW18 | **Lab Sample ID:** C104384-12 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 11:05 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 21:40	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 21:40	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 21:40	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 21:40	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 21:40	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 21:40	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 21:40	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 21:40	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 21:40	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 21:40	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 21:40	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 21:40	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 21:40	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 21:40	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 21:40	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 21:40	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 21:40	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 21:40	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 21:40	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 21:40	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 21:40	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 21:40	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 21:40	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 21:40	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 21:40	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 21:40	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 21:40	jkg	

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Description: 3001-MW18 | **Lab Sample ID:** C104384-12 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 11:05 | **Work Order:** C104384

Project: Davie County Landfill | **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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 21:40	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 21:40	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 21:40	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 21:40*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 21:40*	*jkg*	
Toluene-d8	*50*	*1*	*50.0*	*100 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 21:40*	*jkg*	

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Description: 3001-MW18
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-12
Sampled: 04/13/11 11:05
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 13:56	NLH	

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Description: 3001-MW18 | **Lab Sample ID:** C104384-12 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 11:05 | **Work Order:** C104384

Project: Davie County Landfill | **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] ^	**3.38**	J	ug/L	1	2.80	10.0	10	EPA 6010C	04/19/11 11:48	JDH	
Barium [7440-39-3] ^	**13.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:48	JDH	
Cadmium [7440-43-9] ^	**0.722**	J	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:48	JDH	
Chromium [7440-47-3] ^	**3.49**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:48	JDH	
Lead [7439-92-1] ^	**4.98**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:48	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:48	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:48	JDH	

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Description: 3001-DUP
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-13
Sampled: 04/13/11 07:00
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 22:10	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 22:10	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
1,1-Dichloroethane [75-34-3] ^	**4.7**	J	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 22:10	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 22:10	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 22:10	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 22:10	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**1.2**		ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 22:10	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 22:10	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 22:10	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 22:10	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 22:10	jkg	
Benzene [71-43-2] ^	**1.4**		ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 22:10	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 22:10	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 22:10	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 22:10	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 22:10	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 22:10	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 22:10	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**6.6**		ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 22:10	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 22:10	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 22:10	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 22:10	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 22:10	jkg	
Methylene chloride [75-09-2] ^	**1.9**		ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 22:10	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Tetrachloroethene [127-18-4] ^	**2.8**		ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 22:10	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 22:10	jkg	
Trichloroethene [79-01-6] ^	**1.8**		ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 22:10	jkg	

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Description: 3001-DUP
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-13
Sampled: 04/13/11 07:00
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 22:10	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 22:10	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 22:10	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*99 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 22:10*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 22:10*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*103 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 22:10*	*jkg*	

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Description: 3001-DUP
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-13
Sampled: 04/13/11 07:00
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/20/11 13:59	NLH	

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Description: 3001-DUP
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C104384-13
Sampled: 04/13/11 07:00
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104384

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	04/19/11 11:50	JDH	
Barium [7440-39-3] ^	**95.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/19/11 11:50	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/19/11 11:50	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/19/11 11:50	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:50	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/19/11 11:50	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/19/11 11:50	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: 3001-TRIPBLANK
Matrix: Water
Project: Davie County Landfill

Lab Sample ID: C104384-14
Sampled: 04/14/11 08:05
Sampled By: ENCO

Received: 04/15/11 12:45
Work Order: C104384

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 22:39	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 22:39	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 22:39	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 22:39	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 22:39	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 22:39	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 22:39	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 22:39	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 22:39	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 22:39	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 22:39	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 22:39	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 22:39	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 22:39	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 22:39	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 22:39	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 22:39	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 22:39	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 22:39	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 22:39	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 22:39	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 22:39	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 22:39	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 22:39	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 22:39	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 22:39	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 22:39	jkg	

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Description: 3001-TRIPBLANK
Matrix: Water
Project: Davie County Landfill

Lab Sample ID: C104384-14
Sampled: 04/14/11 08:05
Sampled By: ENCO

Received: 04/15/11 12:45
Work Order: C104384

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
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 22:39	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 22:39	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 22:39	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1D20012*	*EPA 8260B*	*04/20/11 22:39*	*jkg*	
Dibromofluoromethane	*50*	*1*	*50.0*	*99 %*	*68-117*	*1D20012*	*EPA 8260B*	*04/20/11 22:39*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*102 %*	*69-110*	*1D20012*	*EPA 8260B*	*04/20/11 22:39*	*jkg*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1D20012 - EPA 5030B_MS

Blank (1D20012-BLK1) Prepared: 04/20/2011 08:55 Analyzed: 04/20/2011 13:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	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	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	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	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	1.4	U	2.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
o-Xylene	0.63	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1D20012 - EPA 5030B_MS

Blank (1D20012-BLK1) Continued Prepared: 04/20/2011 08:55 Analyzed: 04/20/2011 13:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*99*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*68-117*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*101*	*69-110*			

LCS (1D20012-BS1) Prepared: 04/20/2011 08:55 Analyzed: 04/20/2011 14:17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		98	75-133			
Benzene	21		1.0	ug/L	20.0		105	81-134			
Chlorobenzene	21		1.0	ug/L	20.0		105	83-117			
Toluene	20		1.0	ug/L	20.0		101	71-118			
Trichloroethene	22		1.0	ug/L	20.0		110	75-115			
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*99*	*68-117*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*103*	*69-110*			

Matrix Spike (1D20012-MS1) Prepared: 04/20/2011 08:55 Analyzed: 04/20/2011 14:47

Source: C104384-01

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	0.60 U	96	75-133			
Benzene	23		1.0	ug/L	20.0	1.2	108	81-134			
Chlorobenzene	22		1.0	ug/L	20.0	0.58	106	83-117			
Toluene	21		1.0	ug/L	20.0	0.85 U	107	71-118			
Trichloroethene	29		1.0	ug/L	20.0	6.4	113	75-115			
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*50*			*ug/L*	*50.0*		*101*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*105*	*69-110*			

Matrix Spike Dup (1D20012-MSD1) Prepared: 04/20/2011 08:55 Analyzed: 04/20/2011 15:17

Source: C104384-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.60 U	92	75-133	4	20	
Benzene	20		1.0	ug/L	20.0	1.2	92	81-134	15	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.58	96	83-117	10	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	96	71-118	11	17	
Trichloroethene	26		1.0	ug/L	20.0	6.4	98	75-115	12	18	
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*55*			*ug/L*	*50.0*		*110*	*69-110*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1D20008 - EPA 245.1

Blank (1D20008-BLK1) Prepared: 04/20/2011 08:45 Analyzed: 04/20/2011 14:38

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1D20008 - EPA 245.1

Blank (1D20008-BLK1) Continued Prepared: 04/20/2011 08:45 Analyzed: 04/20/2011 14:38

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 (1D20008-BS1) Prepared: 04/20/2011 08:45 Analyzed: 04/20/2011 14:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.96		0.200	ug/L	5.00		99	85-115			

Matrix Spike (1D20008-MS1) Prepared: 04/20/2011 08:45 Analyzed: 04/20/2011 14:46

Source: C104384-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.75		0.200	ug/L	5.00	0.170 U	95	85-115			

Matrix Spike Dup (1D20008-MSD1) Prepared: 04/20/2011 08:45 Analyzed: 04/20/2011 14:56

Source: C104384-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.80		0.200	ug/L	5.00	0.170 U	96	85-115	1	15	

Post Spike (1D20008-PS1) Prepared: 04/20/2011 08:45 Analyzed: 04/20/2011 14:58

Source: C104384-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.91		0.200	ug/L	5.00	-0.0377	79	75-125			

Batch 1D20011 - EPA 245.1

Blank (1D20011-BLK1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:06

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 (1D20011-BS1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.95		0.200	ug/L	5.00		99	85-115			

Matrix Spike (1D20011-MS1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:15

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.07		0.200	ug/L	5.00	0.170 U	101	85-115			

Matrix Spike Dup (1D20011-MSD1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:18

Source: C104384-11

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1D20011 - EPA 245.1

Matrix Spike Dup (1D20011-MSD1) Continued Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:18

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.20		0.200	ug/L	5.00	0.170 U	104	85-115	2	15	

Post Spike (1D20011-PS1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:22

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.31		0.200	ug/L	5.00	-0.00490	86	75-125			

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

Batch 1D18017 - EPA 3005A

Blank (1D18017-BLK1) Prepared: 04/18/2011 10:22 Analyzed: 04/19/2011 10:34

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 (1D18017-BS1) Prepared: 04/18/2011 10:22 Analyzed: 04/19/2011 10:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	494		10.0	ug/L	500		99	80-120			
Barium	502		10.0	ug/L	500		100	80-120			
Cadmium	255		1.00	ug/L	250		102	80-120			
Chromium	508		10.0	ug/L	500		102	80-120			
Lead	494		10.0	ug/L	500		99	80-120			
Selenium	502		10.0	ug/L	500		100	80-120			
Silver	259		10.0	ug/L	250		104	80-120			

Matrix Spike (1D18017-MS1) Prepared: 04/18/2011 10:22 Analyzed: 04/19/2011 10:45

Source: C104384-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	500		10.0	ug/L	500	2.80 U	100	75-125			
Barium	827		10.0	ug/L	500	343	97	75-125			
Cadmium	244		1.00	ug/L	250	0.360 U	97	75-125			
Chromium	489		10.0	ug/L	500	1.51	98	75-125			
Lead	489		10.0	ug/L	500	3.45	97	75-125			
Selenium	505		10.0	ug/L	500	2.70 U	101	75-125			
Silver	253		10.0	ug/L	250	1.90 U	101	75-125			

QUALITY CONTROL

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

Batch 1D18017 - EPA 3005A

Matrix Spike Dup (1D18017-MSD1) Prepared: 04/18/2011 10:22 Analyzed: 04/19/2011 10:47

Source: C104384-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	498		10.0	ug/L	500	2.80 U	100	75-125	0.3	20	
Barium	826		10.0	ug/L	500	343	97	75-125	0.2	20	
Cadmium	243		1.00	ug/L	250	0.360 U	97	75-125	0.2	20	
Chromium	488		10.0	ug/L	500	1.51	97	75-125	0.1	20	
Lead	486		10.0	ug/L	500	3.45	96	75-125	0.6	20	
Selenium	499		10.0	ug/L	500	2.70 U	100	75-125	1	20	
Silver	252		10.0	ug/L	250	1.90 U	101	75-125	0.3	20	

Post Spike (1D18017-PS1) Prepared: 04/18/2011 10:22 Analyzed: 04/19/2011 10:49

Source: C104384-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.960		0.0100	mg/L	1.00	-0.00611	97	80-120			
Barium	1.29		0.0100	mg/L	1.00	0.343	94	80-120			
Cadmium	0.472		0.00100	mg/L	0.500	-0.000124	94	80-120			
Chromium	0.957		0.0100	mg/L	1.00	0.00151	96	80-120			
Lead	0.927		0.0100	mg/L	1.00	0.00345	92	80-120			
Selenium	0.968		0.0100	mg/L	1.00	-0.00977	98	80-120			
Silver	0.518		0.0100	mg/L	0.500	0.00109	103	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

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

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Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

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

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Page ____ of ____

Client Name: Grey Engineering (GR009)	Project Number: 1584-03-109
Address: 254 West Water Street	Project Name/Desc: Davie County Landfill
City/ST/Zip: Mocksville, NC 27028	PO # / Billing Info
Tel: (336) 751-2110 Fax: (336) 751-6148	Reporting Contact: Joy Howard
Sampler(s) Name, Affiliation (Print): GARY Simpx / S&ME, Inc	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone

Requested Analyses: 8260B Appendix 1; 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: C104384

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	Ag,As,Ba,Cd,Cr,Pb,Se	Hg								Sample Comments
	3001-MW1 MS/MSD	4/14/11	0805	G	GW	7	X	X	X								
	3001-MW2	4/14/11	1225	G	GW	4	X	X	X								
	3001-MW3	4/14/11	1005	G	GW	4	X	X	X								
	3001-MW4	4/14/11	0905	G	GW	4	X	X	X								
	3001-MW12	4/13/11	1405	G	GW	4	X	X	X								
	3001-MW13A	4/13/11	1315	G	GW	4	X	X	X								
	3001-MW14	4/14/11	1125	G	GW	4	X	X	X								
	3001-MW15	4/13/11	1220	G	GW	4	X	X	X								
	3001-MW16S	4/13/11	0940	G	GW	4	X	X	X								
	3001-MW16D	4/13/11	0900	G	GW	4	X	X	X								
	3001-MW17	4/13/11	1020	G	GW	4	X	X	X								
	3001-MW18	4/13/11	1105	G	GW	4	X	X	X								

<-- Total # of Containers

Sample Kit Prepared By: CS	Date/Time: 4/8/11	Relinquished By	Date/Time: 4/14/11	Received By	Date/Time: 4/15/11 1245
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: 2.5°C		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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: Grey Engineering (GR009)	Project Number: 1584-03-109
Address: 254 West Water Street	Project Name/Desc: Davie County Landfill
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 / S&ME, INC	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone

Requested Analyses: 8260B Appendix 1; 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: C104384

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	Ag,As,Ba,Cd,Cr,Pb,Se	Hg	Sample Comments
	3001-DUP	4/13/11	0700	G	GW	4	X	X	X	
	3001-TRIPBLANK				WA	2	X			

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
	4/8/11		4/14/11		4/15/11 1245
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: 2.1°C

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

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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
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Friday, April 22, 2011

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: C104385

Dear Joy Howard,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 15, 2011.

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 35.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3001-MW5 **Lab ID: C104385-01** **Sampled: 04/13/11 16:05** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/10/11	04/18/11 14:41	4/20/2011 13:00
EPA 7470A	05/11/11	04/20/11 08:52	4/20/2011 14:02
EPA 8260B	04/27/11	04/19/11 12:22	4/20/2011 07:13

Client ID: 3001-MW6 **Lab ID: C104385-02** **Sampled: 04/14/11 15:25** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 14:41	4/20/2011 13:03
EPA 7470A	05/12/11	04/20/11 08:52	4/20/2011 14:05
EPA 8260B	04/28/11	04/19/11 12:22	4/20/2011 07:42

Client ID: 3001-MW7 **Lab ID: C104385-03** **Sampled: 04/14/11 16:05** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 14:41	4/20/2011 13:05
EPA 7470A	05/12/11	04/20/11 08:52	4/20/2011 14:07
EPA 8260B	04/28/11	04/20/11 11:25	4/22/2011 04:48

Client ID: 3001-MW8 **Lab ID: C104385-04** **Sampled: 04/14/11 13:35** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 14:41	4/20/2011 13:07
EPA 7470A	05/12/11	04/20/11 08:52	4/20/2011 14:10
EPA 8260B	04/28/11	04/20/11 11:25	4/22/2011 05:17

Client ID: 3001-MW9 **Lab ID: C104385-05** **Sampled: 04/14/11 14:20** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/11	04/18/11 14:41	4/20/2011 13:10
EPA 7470A	05/12/11	04/20/11 08:52	4/20/2011 14:20
EPA 8260B	04/28/11	04/20/11 11:25	4/22/2011 05:45

Client ID: 3001-MW10 **Lab ID: C104385-06** **Sampled: 04/13/11 15:05** **Received: 04/15/11 12:45**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/10/11	04/18/11 14:41	4/20/2011 13:19
EPA 7470A	05/11/11	04/20/11 08:52	4/20/2011 14:23
EPA 8260B	04/27/11	04/20/11 11:25	4/22/2011 06:14

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 3001-MW5 **Lab ID: C104385-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	6.3		1	0.080	1.0	5	ug/L	EPA 8260B	
1,2-Dichloropropane	2.5		1	0.59	1.0	1	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.5		1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	12.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	2.9		1	0.68	1.0	1	ug/L	EPA 8260B	
Chloroethane	0.85	J	1	0.75	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	15		1	0.72	1.0	5	ug/L	EPA 8260B	
Tetrachloroethene	0.99	J	1	0.73	1.0	1	ug/L	EPA 8260B	
Trichloroethene	15		1	0.72	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	0.66	J	1	0.60	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW6 **Lab ID: C104385-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	41.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.12	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW7 **Lab ID: C104385-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.8	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	9.87	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-MW8 **Lab ID: C104385-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	13.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-MW9 **Lab ID: C104385-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	5.22	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.73	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW10 **Lab ID: C104385-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	22.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.683	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	3.86	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.64	J	1	1.90	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 3001-MW5 | **Lab Sample ID:** C104385-01 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 16:05 | **Work Order:** C104385

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 07:13	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 07:13	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
1,1-Dichloroethane [75-34-3] ^	**6.3**		ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 07:13	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 07:13	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 07:13	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 07:13	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
1,2-Dichloropropane [78-87-5] ^	**2.5**		ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.5**		ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 07:13	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 07:13	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 07:13	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 07:13	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 07:13	JKG	
Benzene [71-43-2] ^	**2.9**		ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 07:13	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 07:13	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 07:13	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 07:13	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 07:13	JKG	
Chloroethane [75-00-3] ^	**0.85**	J	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 07:13	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 07:13	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**15**		ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 07:13	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 07:13	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 07:13	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 07:13	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 07:13	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 07:13	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Tetrachloroethene [127-18-4] ^	**0.99**	J	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/20/11 07:13	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 07:13	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 07:13	JKG	

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Description: 3001-MW5 | **Lab Sample ID:** C104385-01 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 16:05 | **Work Order:** C104385

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-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 07:13	JKG	
Trichloroethene [79-01-6] ^	**15**		ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 07:13	JKG	
Vinyl chloride [75-01-4] ^	**0.66**	J	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 07:13	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 07:13	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1D19028*	*EPA 8260B*	*04/20/11 07:13*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*68-117*	*1D19028*	*EPA 8260B*	*04/20/11 07:13*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*1D19028*	*EPA 8260B*	*04/20/11 07:13*	*JKG*	

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Description: 3001-MW5
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C104385-01
Sampled: 04/13/11 16:05
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104385

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	04/20/11 14:02	NLH	

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Description: 3001-MW5 | **Lab Sample ID:** C104385-01 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 16:05 | **Work Order:** C104385

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	04/20/11 13:00	JDH	
Barium [7440-39-3] ^	**12.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/11 13:00	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/11 13:00	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/11 13:00	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:00	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/11 13:00	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:00	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: 3001-MW6 | **Lab Sample ID:** C104385-02 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 15:25 | **Work Order:** C104385

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/20/11 07:42	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/20/11 07:42	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/20/11 07:42	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/20/11 07:42	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/11 07:42	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/11 07:42	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/11 07:42	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/11 07:42	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/11 07:42	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/11 07:42	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/11 07:42	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/20/11 07:42	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/20/11 07:42	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/20/11 07:42	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/11 07:42	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/20/11 07:42	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/20/11 07:42	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/20/11 07:42	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/20/11 07:42	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/20/11 07:42	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/20/11 07:42	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/11 07:42	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/20/11 07:42	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/20/11 07:42	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/20/11 07:42	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/20/11 07:42	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/11 07:42	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/20/11 07:42	JKG	

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Description: 3001-MW6 | **Lab Sample ID:** C104385-02 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 15:25 | **Work Order:** C104385

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] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/11 07:42	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/20/11 07:42	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/20/11 07:42	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1D19028*	*EPA 8260B*	*04/20/11 07:42*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*1D19028*	*EPA 8260B*	*04/20/11 07:42*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*1D19028*	*EPA 8260B*	*04/20/11 07:42*	*JKG*	

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Description: 3001-MW6
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C104385-02
Sampled: 04/14/11 15:25
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104385

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	04/20/11 14:05	NLH	

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Description: 3001-MW6 | **Lab Sample ID:** C104385-02 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 15:25 | **Work Order:** C104385

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	04/20/11 13:03	JDH	
Barium [7440-39-3] ^	**41.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/11 13:03	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/11 13:03	JDH	
Chromium [7440-47-3] ^	**1.12**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/11 13:03	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:03	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/11 13:03	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:03	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: 3001-MW7 | **Lab Sample ID:** C104385-03 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 16:05 | **Work Order:** C104385

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/22/11 04:48	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/22/11 04:48	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/22/11 04:48	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/22/11 04:48	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/22/11 04:48	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/22/11 04:48	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/22/11 04:48	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/22/11 04:48	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/22/11 04:48	JKG	
Acetone [67-64-1] ^	**4.8**	J	ug/L	1	1.2	5.0	100	EPA 8260B	04/22/11 04:48	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/22/11 04:48	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/22/11 04:48	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/22/11 04:48	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/22/11 04:48	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/22/11 04:48	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/22/11 04:48	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/22/11 04:48	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/22/11 04:48	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/22/11 04:48	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/22/11 04:48	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/22/11 04:48	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/22/11 04:48	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/22/11 04:48	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/22/11 04:48	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/22/11 04:48	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/22/11 04:48	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/22/11 04:48	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 04:48	JKG	

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Description: 3001-MW7 | **Lab Sample ID:** C104385-03 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 16:05 | **Work Order:** C104385

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] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/22/11 04:48	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/22/11 04:48	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/22/11 04:48	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*1D20019*	*EPA 8260B*	*04/22/11 04:48*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*68-117*	*1D20019*	*EPA 8260B*	*04/22/11 04:48*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*69-110*	*1D20019*	*EPA 8260B*	*04/22/11 04:48*	*JKG*	

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Description: 3001-MW7 | **Lab Sample ID:** C104385-03 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 16:05 | **Work Order:** C104385

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	04/20/11 14:07	NLH	

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Description: 3001-MW7 | **Lab Sample ID:** C104385-03 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 16:05 | **Work Order:** C104385

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	04/20/11 13:05	JDH	
Barium [7440-39-3] ^	**9.87**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/11 13:05	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/11 13:05	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/11 13:05	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:05	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/11 13:05	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:05	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: 3001-MW8 | **Lab Sample ID:** C104385-04 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 13:35 | **Work Order:** C104385

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/22/11 05:17	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/22/11 05:17	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/22/11 05:17	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/22/11 05:17	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/22/11 05:17	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/22/11 05:17	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/22/11 05:17	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/22/11 05:17	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/22/11 05:17	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/22/11 05:17	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/22/11 05:17	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/22/11 05:17	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/22/11 05:17	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/22/11 05:17	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/22/11 05:17	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/22/11 05:17	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/22/11 05:17	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/22/11 05:17	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/22/11 05:17	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/22/11 05:17	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/22/11 05:17	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/22/11 05:17	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/22/11 05:17	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/22/11 05:17	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/22/11 05:17	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/22/11 05:17	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/22/11 05:17	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 05:17	JKG	

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Description: 3001-MW8 | **Lab Sample ID:** C104385-04 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 13:35 | **Work Order:** C104385

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] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/22/11 05:17	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/22/11 05:17	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/22/11 05:17	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*1D20019*	*EPA 8260B*	*04/22/11 05:17*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*1D20019*	*EPA 8260B*	*04/22/11 05:17*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*1D20019*	*EPA 8260B*	*04/22/11 05:17*	*JKG*	

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Description: 3001-MW8 | **Lab Sample ID:** C104385-04 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 13:35 | **Work Order:** C104385

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	04/20/11 14:10	NLH	

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Description: 3001-MW8 | **Lab Sample ID:** C104385-04 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 13:35 | **Work Order:** C104385

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	04/20/11 13:07	JDH	
Barium [7440-39-3] ^	**13.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/11 13:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/11 13:07	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/11 13:07	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:07	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/11 13:07	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:07	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: 3001-MW9 | **Lab Sample ID:** C104385-05 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 14:20 | **Work Order:** C104385

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/22/11 05:45	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/22/11 05:45	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/22/11 05:45	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/22/11 05:45	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/22/11 05:45	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/22/11 05:45	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/22/11 05:45	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/22/11 05:45	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/22/11 05:45	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/22/11 05:45	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/22/11 05:45	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/22/11 05:45	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/22/11 05:45	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/22/11 05:45	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/22/11 05:45	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/22/11 05:45	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/22/11 05:45	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/22/11 05:45	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/22/11 05:45	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/22/11 05:45	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/22/11 05:45	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/22/11 05:45	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/22/11 05:45	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/22/11 05:45	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/22/11 05:45	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/22/11 05:45	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/22/11 05:45	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 05:45	JKG	

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Description: 3001-MW9 | **Lab Sample ID:** C104385-05 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 14:20 | **Work Order:** C104385

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] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/22/11 05:45	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/22/11 05:45	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/22/11 05:45	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*1D20019*	*EPA 8260B*	*04/22/11 05:45*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*68-117*	*1D20019*	*EPA 8260B*	*04/22/11 05:45*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*69-110*	*1D20019*	*EPA 8260B*	*04/22/11 05:45*	*JKG*	

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Description: 3001-MW9
Matrix: Ground Water
Project: Davie County Landfill - C&D

Lab Sample ID: C104385-05
Sampled: 04/14/11 14:20
Sampled By: Gary Simcox

Received: 04/15/11 12:45
Work Order: C104385

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	04/20/11 14:20	NLH	

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Description: 3001-MW9 | **Lab Sample ID:** C104385-05 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/14/11 14:20 | **Work Order:** C104385

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	04/20/11 13:10	JDH	
Barium [7440-39-3] ^	**5.22**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/11 13:10	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/11 13:10	JDH	
Chromium [7440-47-3] ^	**1.73**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/11 13:10	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:10	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/11 13:10	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:10	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: 3001-MW10 | **Lab Sample ID:** C104385-06 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 15:05 | **Work Order:** C104385

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	04/22/11 06:14	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	04/22/11 06:14	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	04/22/11 06:14	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	04/22/11 06:14	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/22/11 06:14	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/22/11 06:14	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/22/11 06:14	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/22/11 06:14	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/22/11 06:14	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/22/11 06:14	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/22/11 06:14	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	04/22/11 06:14	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	04/22/11 06:14	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	04/22/11 06:14	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/22/11 06:14	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	04/22/11 06:14	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	04/22/11 06:14	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	04/22/11 06:14	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	04/22/11 06:14	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	04/22/11 06:14	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	04/22/11 06:14	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/22/11 06:14	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	1.4	U	ug/L	1	1.4	2.0	NE	EPA 8260B	04/22/11 06:14	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
o-Xylene [95-47-6] ^	0.63	U	ug/L	1	0.63	1.0	NE	EPA 8260B	04/22/11 06:14	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/22/11 06:14	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	04/22/11 06:14	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/22/11 06:14	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	04/22/11 06:14	JKG	

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Description: 3001-MW10 | **Lab Sample ID:** C104385-06 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 15:05 | **Work Order:** C104385

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] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/22/11 06:14	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	04/22/11 06:14	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	04/22/11 06:14	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*1D20019*	*EPA 8260B*	*04/22/11 06:14*	*JKG*	
Dibromofluoromethane	*45*	*1*	*50.0*	*91 %*	*68-117*	*1D20019*	*EPA 8260B*	*04/22/11 06:14*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*1D20019*	*EPA 8260B*	*04/22/11 06:14*	*JKG*	

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Description: 3001-MW10 | **Lab Sample ID:** C104385-06 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 15:05 | **Work Order:** C104385

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	04/20/11 14:23	NLH	

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Description: 3001-MW10 | **Lab Sample ID:** C104385-06 | **Received:** 04/15/11 12:45

Matrix: Ground Water | **Sampled:** 04/13/11 15:05 | **Work Order:** C104385

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	04/20/11 13:19	JDH	
Barium [7440-39-3] ^	**22.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/11 13:19	JDH	
Cadmium [7440-43-9] ^	**0.683**	J	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/11 13:19	JDH	
Chromium [7440-47-3] ^	**3.86**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/11 13:19	JDH	
Lead [7439-92-1] ^	**2.64**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:19	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/11 13:19	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/11 13:19	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 1D19028 - EPA 5030B_MS

Blank (1D19028-BLK1) Prepared: 04/19/2011 12:22 Analyzed: 04/19/2011 21:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	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	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	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	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	1.4	U	2.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
o-Xylene	0.63	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1D19028 - EPA 5030B_MS

Blank (1D19028-BLK1) Continued Prepared: 04/19/2011 12:22 Analyzed: 04/19/2011 21:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

LCS (1D19028-BS1) Prepared: 04/19/2011 12:22 Analyzed: 04/19/2011 22:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	75-133			
Benzene	21		1.0	ug/L	20.0		103	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		102	83-117			
Toluene	21		1.0	ug/L	20.0		104	71-118			
Trichloroethene	21		1.0	ug/L	20.0		105	75-115			
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*95*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*69-110*			

Matrix Spike (1D19028-MS1) Prepared: 04/19/2011 12:22 Analyzed: 04/19/2011 22:56

Source: C104715-08

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	0.60 U	108	75-133			
Benzene	21		1.0	ug/L	20.0	0.68 U	103	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	102	83-117			
Toluene	21		1.0	ug/L	20.0	0.85 U	103	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.72 U	101	75-115			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*69-110*			

Matrix Spike Dup (1D19028-MSD1) Prepared: 04/19/2011 12:22 Analyzed: 04/19/2011 23:26

Source: C104715-08

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	0.60 U	103	75-133	5	20	
Benzene	20		1.0	ug/L	20.0	0.68 U	98	81-134	6	17	
Chlorobenzene	21		1.0	ug/L	20.0	0.74 U	103	83-117	0.9	16	
Toluene	20		1.0	ug/L	20.0	0.85 U	101	71-118	2	17	
Trichloroethene	20		1.0	ug/L	20.0	0.72 U	102	75-115	0.4	18	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*69-110*			

Batch 1D20019 - EPA 5030B_MS

Blank (1D20019-BLK1) Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 02:22

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1D20019 - EPA 5030B_MS

Blank (1D20019-BLK1) Continued Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 02:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	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	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	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	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	1.4	U	2.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
o-Xylene	0.63	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1D20019 - EPA 5030B_MS

Blank (1D20019-BLK1) Continued Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 02:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*85*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*87*	*69-110*			

LCS (1D20019-BS1) Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 02:51

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		97	75-133			
Benzene	20		1.0	ug/L	20.0		99	81-134			
Chlorobenzene	22		1.0	ug/L	20.0		108	83-117			
Toluene	21		1.0	ug/L	20.0		104	71-118			
Trichloroethene	20		1.0	ug/L	20.0		102	75-115			
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*69-110*			

Matrix Spike (1D20019-MS1) Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 03:20

Source: C104840-08

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	0.60 U	95	75-133			
Benzene	19		1.0	ug/L	20.0	0.68 U	95	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	102	83-117			
Toluene	20		1.0	ug/L	20.0	0.85 U	102	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	106	75-115			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*91*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*89*	*69-110*			

Matrix Spike Dup (1D20019-MSD1) Prepared: 04/20/2011 11:25 Analyzed: 04/22/2011 03:50

Source: C104840-08

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	0.60 U	96	75-133	0.7	20	
Benzene	18		1.0	ug/L	20.0	0.68 U	91	81-134	4	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	102	83-117	0.05	16	
Toluene	20		1.0	ug/L	20.0	0.85 U	99	71-118	3	17	
Trichloroethene	20		1.0	ug/L	20.0	0.72 U	98	75-115	8	18	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*69-110*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1D20011 - EPA 245.1

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1D20011 - EPA 245.1

Blank (1D20011-BLK1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:06

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 (1D20011-BS1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.95		0.200	ug/L	5.00		99	85-115			

Matrix Spike (1D20011-MS1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:15

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.07		0.200	ug/L	5.00	0.170 U	101	85-115			

Matrix Spike Dup (1D20011-MSD1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:18

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.20		0.200	ug/L	5.00	0.170 U	104	85-115	2	15	

Post Spike (1D20011-PS1) Prepared: 04/20/2011 08:52 Analyzed: 04/20/2011 13:22

Source: C104384-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.31		0.200	ug/L	5.00	-0.00490	86	75-125			

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

Batch 1D18026 - EPA 3005A

Blank (1D18026-BLK1) Prepared: 04/18/2011 14:41 Analyzed: 04/20/2011 12:01

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 (1D18026-BS1) Prepared: 04/18/2011 14:41 Analyzed: 04/20/2011 12:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	512		10.0	ug/L	500		102	80-120			
Barium	515		10.0	ug/L	500		103	80-120			
Cadmium	262		1.00	ug/L	250		105	80-120			
Chromium	509		10.0	ug/L	500		102	80-120			

QUALITY CONTROL

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

Batch 1D18026 - EPA 3005A

LCS (1D18026-BS1) Continued Prepared: 04/18/2011 14:41 Analyzed: 04/20/2011 12:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	520		10.0	ug/L	500		104	80-120			
Selenium	524		10.0	ug/L	500		105	80-120			
Silver	265		10.0	ug/L	250		106	80-120			

Matrix Spike (1D18026-MS1) Prepared: 04/18/2011 14:41 Analyzed: 04/20/2011 12:10

Source: C104246-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	518		10.0	ug/L	500	4.82	103	75-125			
Barium	615		10.0	ug/L	500	104	102	75-125			
Cadmium	261		1.00	ug/L	250	0.360 U	104	75-125			
Chromium	509		10.0	ug/L	500	1.00 U	102	75-125			
Lead	523		10.0	ug/L	500	2.04	104	75-125			
Selenium	527		10.0	ug/L	500	2.70 U	105	75-125			
Silver	258		10.0	ug/L	250	1.90 U	103	75-125			

Matrix Spike Dup (1D18026-MSD1) Prepared: 04/18/2011 14:41 Analyzed: 04/20/2011 12:12

Source: C104246-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	512		10.0	ug/L	500	4.82	101	75-125	1	20	
Barium	615		10.0	ug/L	500	104	102	75-125	0.02	20	
Cadmium	261		1.00	ug/L	250	0.360 U	104	75-125	0.02	20	
Chromium	507		10.0	ug/L	500	1.00 U	101	75-125	0.4	20	
Lead	517		10.0	ug/L	500	2.04	103	75-125	1	20	
Selenium	521		10.0	ug/L	500	2.70 U	104	75-125	1	20	
Silver	257		10.0	ug/L	250	1.90 U	103	75-125	0.2	20	

Post Spike (1D18026-PS1) Prepared: 04/18/2011 14:41 Analyzed: 04/20/2011 12:20

Source: C104246-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.999		0.0100	mg/L	1.00	0.00482	99	80-120			
Barium	1.11		0.0100	mg/L	1.00	0.104	101	80-120			
Cadmium	0.510		0.00100	mg/L	0.500	0.000154	102	80-120			
Chromium	1.01		0.0100	mg/L	1.00	0.000504	101	80-120			
Lead	1.00		0.0100	mg/L	1.00	0.00204	100	80-120			
Selenium	1.03		0.0100	mg/L	1.00	-0.00251	103	80-120			
Silver	0.528		0.0100	mg/L	0.500	0.000699	106	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

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

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 / S & ME, INC.	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: C104385

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

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
	3001-MW5	4/13/11	1605	G	GW	4	X	X	X	
	3001-MW6	4/14/11	1525	G	GW	4	X	X	X	
	3001-MW7	4/14/11	1605	G	GW	4	X	X	X	
	3001-MW8	4/14/11	1335	G	GW	4	X	X	X	
	3001-MW9	4/14/11	1420	G	GW	4	X	X	X	
	3001-MW10	4/13/11	1505	G	GW	4	X	X	X	
	~~3001-MW11~~				GW	4	X	X	X	

<-- Total # of Containers

Sample Kit Prepared By: CS	Date/Time: 4/8/11	Relinquished By	Date/Time: 4/14/11	Received By	Date/Time: 4/15/11 1245
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: 2.1°C		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