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 19-21, 2010

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 — Date: 6-2-10

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL SEAL 15007 ENGINEER JOHN C. GREY, JR.

6-2-10

254 W. Water St., Mocksville, NC 27028

Facility Representative Address

C-0909

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

Revised 6/2009

LETTER OF TRANSMITTAL

RECEIVED
JUN - 4 2010
SOLID WASTE SECTION

Date: 6/3/2010

GREY ENGINEERING, INC
254 West Water Street
P. O. Box 9
Mocksville, NC 27028
Phone: 336-751-2110
Fax: 336-751-6348

To: **Compliance Unit**
NCDENR-DVM, Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Job # 202.019

Re: **MSW Landfill Fall Monitoring Report for Davie County**
Permit # 30-03

WE ARE SENDING YOU THE FOLLOWING:

Prints	X Attached	Submittal
Change order	Copy of letter	Samples
Under separate cover via	Plans	Other

Quantity	Description
1	**Copy of Field Collection Reports with SWS EDD Spreadsheet**
1	**Copy of Laboratory Analysis Reports with SWS EDD Spreadsheet**
1	**Exceedance Summary Table with History**
1	**Detection Summary Table with History**
1	**Environmental Monitoring Reporting Form**
1	**Vicinity Map**
1	**Site Location Map**
1	**Engineer's Letter**
1	**CD with Above Items**

As requested	Approved as submitted
X For your use	Approved as noted
For approval	Returned f. corrections
For review and comment	Return corrected prints
Resubmit copies for approval	Submit copies for distribution

Remarks: **You should receive a total of 11 items, including the CD.**

COPY TO: Beth Dirks SIGNED Michelle Hess

If enclosures are not as noted, please notify us at once.

GREY
ENGINEERING, INC.

June 2, 2010

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 2010.

The data indicates 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, Vinyl Chloride), **MW-5** (1,1-Dichloroethane,1,2 Dichloropropane, Benzene, Trichloroethene, Vinyl Chloride), **MW-10** (Tetrachloroethene, Trichloroethene), **MW-12** (Tetrachloroethene), **MW-15** (Tetrachloroethene), **MW-16D** (Benzene, Tetrachloroethene, Vinyl Chloride) show exceedance of 2L levels for the April 19th- 21st sampling events.

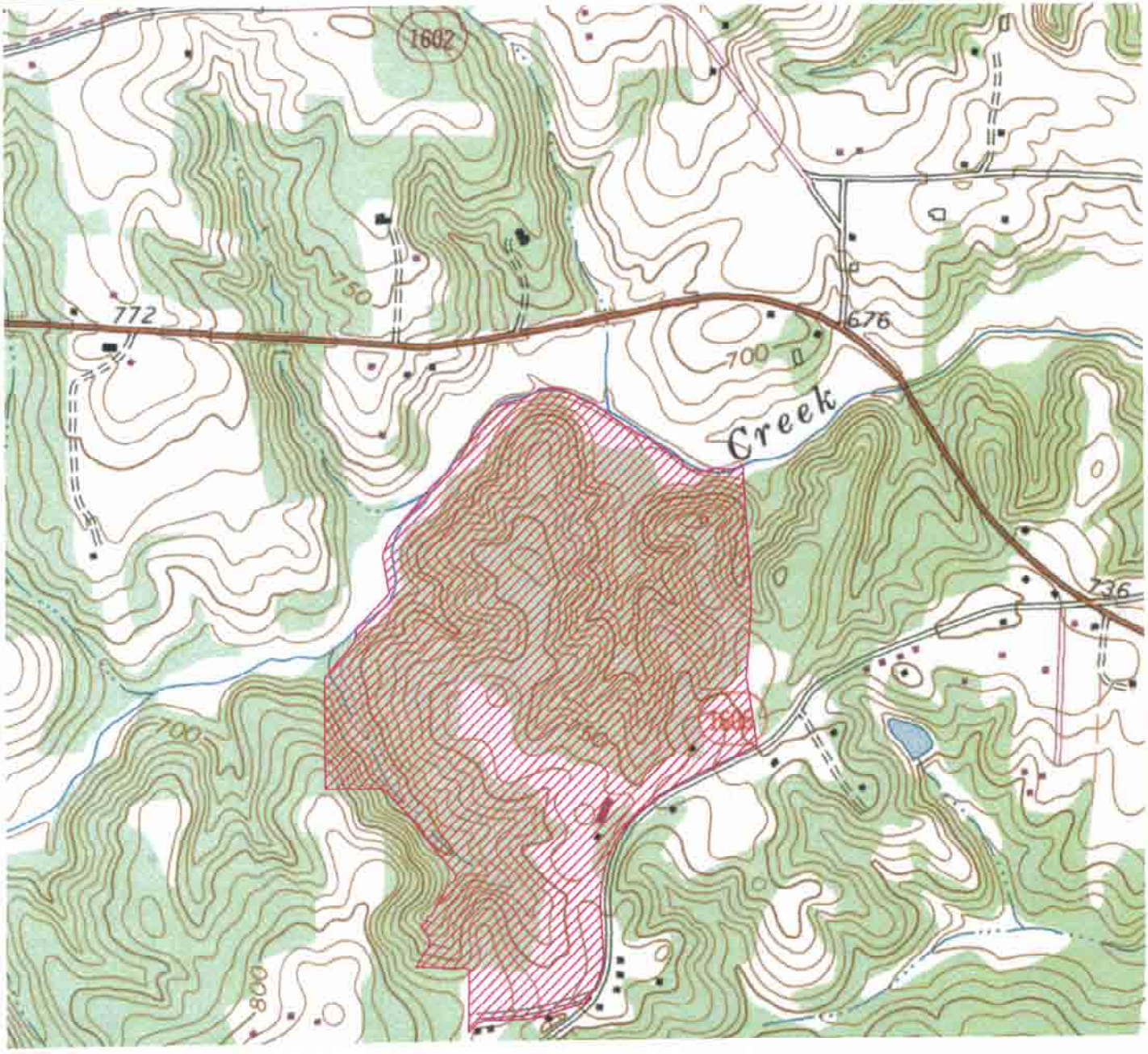
These exceedances result from historic landfill use. The landfill is now capped and closed. S&ME has been retained to provide additional assessment of the nature and extent of the groundwater contamination and recommendations in accordance with governing regulations.

If you should have any questions, do not hesitate to give me a call.

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'

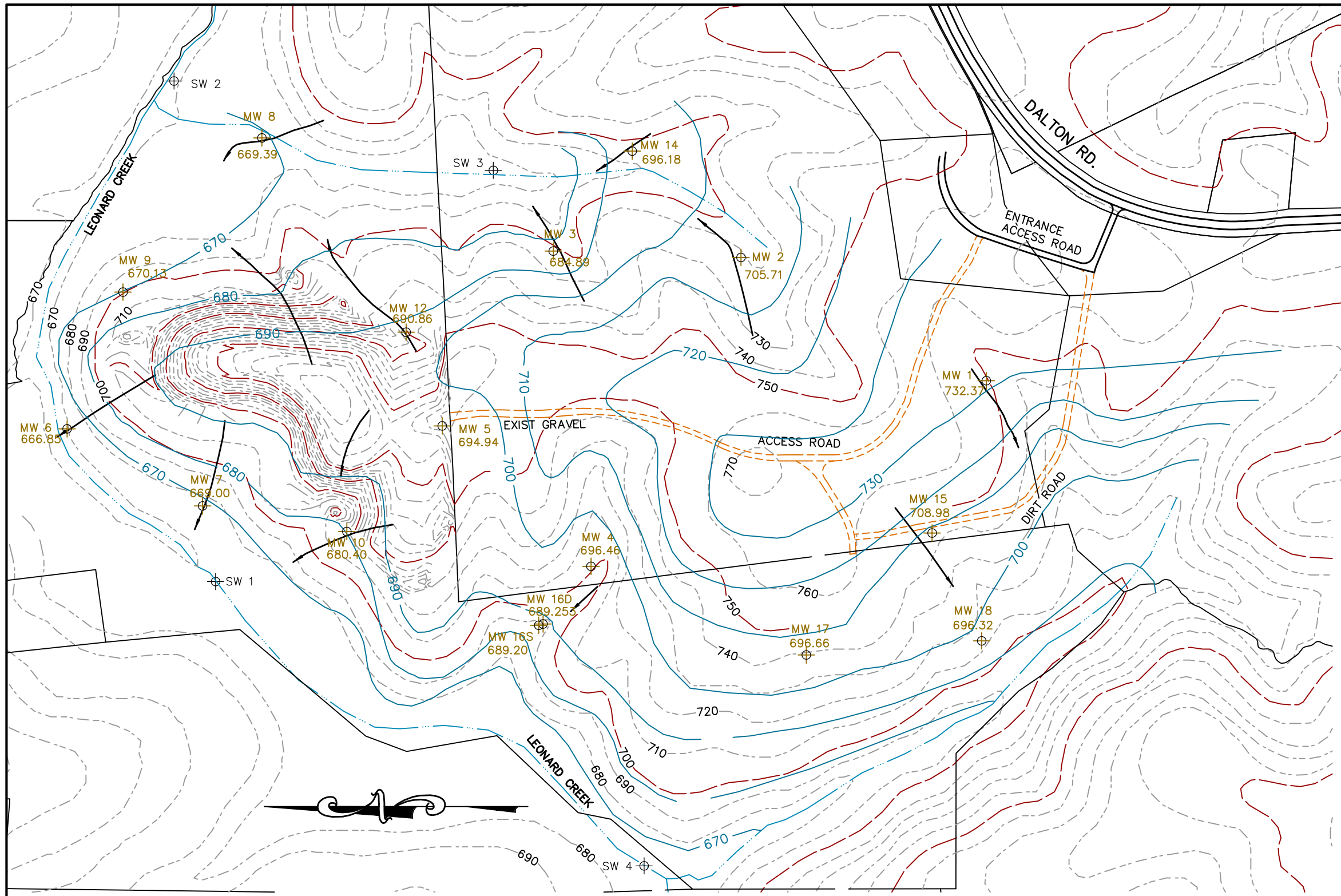
GREY ENGINEERING, INC.
Civil Design and Surveying
P.O. Box 9 Mocksville, N.C. 27028
greyengineering.com (336)751-2110

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

MW/SW NO.	NORTHING COORDINATES	EASTING COORDINATES	TOP OF CASING ELEV
MW1	778537.000	1549417.500	748.31
MW2	779166.964	1549715.551	709.06
MW3	779679.692	1549733.079	694.59
MW4	779576.716	1548872.406	705.62
MW5	779982.868	1549255.922	761.96
MW6	781007.434	1549247.770	673.19
MW7	780637.281	1549037.253	685.61
MW8	780502.500	1550061.000	673.82
MW9	780854.630	1549621.109	682.71
MW10	780277.000	1548994.000	729.20
MW11	780168.025	1549351.161	750.35
MW12	780091.000	1549522.500	741.04
MW13	777185.901	1549199.461	770.69
MW14	779464.004	1550006.148	702.99
MW15	778682.000	1549000.000	755.94
MW16D	779707.387	1548714.812	701.95
MW16S	779719.587	1548711.134	701.91
MW17	778988.687	1548630.376	746.14
MW18	778531.000	1548694.000	722.82
SW1	780601.889	1548830.653	
SW2	780715.500	1550197.500	
SW3	779869.500	1549971.500	
SW4	779431.489	1548054.235	

GENERAL NOTES:

1. NORTH IS BASED ON DAVIE COUNTY GIS MAP, REF NAD 83.
2. EXISTING WELL LOCATIONS 1 THROUGH 15, SW1 THROUGH SW4, FROM KUHN CONSTRUCTION SURVEYS, DAVIE COUNTY LANDFILL SURVEY, JOB NO. 089-L, DRAWING NO. 1997-4+; 10-97.
3. NEW WELL NO'S 16S, 16D, 17, AND 18 SURVEYED BY GREY ENGINEERING, 12/11/03. INSTALLED DEC 2003.
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 – WITH ELEVATION
- SW — SURFACE WATER
- 740 — TOPOGRAPHIC CONTOUR LINE
- 680 — GROUNDWATER CONTOUR LINE
- GROUNDWATER FLOW DIRECTION

0 300 600 900

SCALE: 1"=300' CONTOURS AT 10'

\202.019 April 07\SAMPLING MAP 07

DAVIE COUNTY LANDFILL
MOCKSVILLE, NORTH CAROLINA

SAMPLE LOCATIONS/GROUNDWATER CONTOUR MAP
APRIL 2007

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

SHEET: 1 of 1

S&ME, INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-1
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description: Top of Casing

Purge Date: 4/14/10
Purge Time: 1630 to 1700
Sample Date: 4/14/10
Sample Time: 1705
Sampled By: GWS
Weather: CLOUDY 60°

Water Level and Well Data

1)	Depth to free product from measuring point		ft.
2)	Depth to water from measuring point	16.07	ft.
3)	Thickness of free product		ft.
4)	Depth to well bottom from measuring point	39.3	ft.
5)	Height of water column (h)	23.23	ft.

Well Purging and Sample Collection

1)	Purge Method	PERISTALTIC PUMP	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	23.95	gal.
4)	Volume of water removed prior to sampling	6 [redacted]	LITERS
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	15.06	°C
2)	Specific Conductance	799	~~µmhos/cm~~ uS/cm
3)	pH	6.16	
4)	Physical Appearance and Odor	Clear and [redacted] NONE	

NOTE: MS/MSD TAKEN @ THIS LOCATION

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-2
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description: Top of Casing

Purge Date: 4/14/10
Purge Time: 1530 to 1600
Sample Date: 4/14/10
Sample Time: 1605
Sampled By: GWS
Weather: Cloudy 60°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	2.76	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	22.1	ft.
5)	Height of water column (h)	19.24	ft.

Well Purging and Sample Collection

1)	Purge Method	PERISTALTIC PUMP	
2)	Sample Method	____	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	3.3	gal.
4)	Volume of water removed prior to sampling	6	~~gal.~~ LITER
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	12.07	°C
2)	Specific Conductance	583	~~µmhos/cm~~ µs/cm
3)	pH	5.98	
4)	Physical Appearance and Odor	Clear and Odorless	

NOTE: GOT STUCK GETTING IN & OUT

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-3
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description
Top of Casing

Purge Date: 4/14/10
Purge Time: 1000 to 1030
Sample Date: 4/14/10
Sample Time: 1035
Sampled By: GWS
Weather: Cloudy 55°

Water Level and Well Data

1)	Depth to free product from measuring point		ft.
2)	Depth to water from measuring point	9.57	ft.
3)	Thickness of free product		ft.
4)	Depth to well bottom from measuring point	36.75	ft.
5)	Height of water column (h)	27.18	ft.

Well Purging and Sample Collection

1)	Purge Method	/ PERISTALTIC PUMP	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	4.6	gal.
4)	Volume of water removed prior to sampling	8.0	LITER
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	12.18	°C
2)	Specific Conductance	418	µmhos/cm
3)	pH	6.51	µS/cm
4)	Physical Appearance and Odor	Clear and Odorless	

Casing separated @ first joint

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location	Davie County Landfill		
Source /Well	MW-4 D	Purge Date	4/14/10
Locked YES	X NO	Purge Time	0910 to 0940
PVC X Steel	Stainless	Sample Date	4/14/10
Measuring Point Description		Sample Time	0945
Top of Casing		Sampled By	GWS
		Weather	CLOUDY / COOL 50°

Water Level and Well Data

1)	Depth to free product from measuring point		ft.
2)	Depth to water from measuring point	9.23	ft.
3)	Thickness of free product		ft.
4)	Depth to well bottom from measuring point	30.3	ft.
5)	Height of water column (h)	21.07	ft.

Well Purging and Sample Collection

1)	Purge Method	PERISTALTIC PUMP		
2)	Sample Method	" "		
3)	Volume of water in well			
	X 2" well...(v=0.163 x h)		3.6	gal.
4)	Volume of water removed prior to sampling		4.0	LITERS
5)	Was well purged DRY ? YES	NO	✓	

Field Analysis

1)	Temperature	12.0	°C
2)	Specific Conductance	622	µS/cm
3)	pH	5.08	
4)	Physical Appearance and Odor	CLEAR/NONE	

* Unable to purge well, well casing separated at approximately 15'; pulled grab sample

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-5
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description: Top of Casing

Purge Date: 4/15/10
Purge Time: 1400 to 1420
Sample Date: 4/15/10
Sample Time: 1425
Sampled By: GWS
Weather: SUNNY 80°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	66.52	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	83.6	ft.
5)	Height of water column (h)	17.08	ft.

Well Purging and Sample Collection

1)	Purge Method	WHALER PUMP	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	2.9	gal.
4)	Volume of water removed prior to sampling	4.4	gal.
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	17.87	°C
2)	Specific Conductance	354	µmhos/cm µS/cm
3)	pH	6.54	
4)	Physical Appearance and Odor	CLEAR/NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-6
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description: Top of Casing

Purge Date: 4/14/10
Purge Time: 1220 to 1255
Sample Date: 4/14/10
Sample Time: 1300
Sampled By: GWS
Weather: CLOUDY 55°

Water Level and Well Data

1)	Depth to free product from measuring point		ft.
2)	Depth to water from measuring point	6.20	ft.
3)	Thickness of free product		ft.
4)	Depth to well bottom from measuring point	15.35	ft.
5)	Height of water column (h)	9.15	ft.

Well Purging and Sample Collection

1)	Purge Method	PERISTALTIC PUMP	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	1.6	gal.
4)	Volume of water removed prior to sampling	6.0	LITERS
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	11.29	°C
2)	Specific Conductance	75	~~µmhos/cm~~ µS/cm
3)	pH	5.29	
4)	Physical Appearance and Odor	CLEAR/NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-7
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description
Top of Casing

Purge Date: 4/14/10
Purge Time: 1145 to 1205
Sample Date: 4/14/10
Sample Time: 1210
Sampled By: GWS
Weather: Cloudy 55°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	15.52	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	20.67	ft.
5)	Height of water column (h)	5.15	ft.

Well Purging and Sample Collection

1)	Purge Method	PERISTALTIC PUMP	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	.9	gal.
4)	Volume of water removed prior to sampling	2.0	gal.
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	12.42	°C
2)	Specific Conductance	75	µmhos/cm µS/cm
3)	pH	6.09	
4)	Physical Appearance and Odor	CLEAR/NONE	

No tag on well casing

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-8
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description: Top of casing

Purge Date: 4/14/10
Purge Time: 1410 to 1440
Sample Date: 4/14/10
Sample Time: 1445
Sampled By: Gary Simlox
Weather: Cloudy 60°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	4.0	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	14.15	ft.
5)	Height of water column (h)	10.15	ft.

Well Purging and Sample Collection

1)	Purge Method	Peristaltic Pump	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	1.73	gal.
4)	Volume of water removed prior to sampling	6	~~gal~~ LITER
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	11.29	°C
2)	Specific Conductance	63	µmhos/cm
3)	pH	5.40	µs/cm
4)	Physical Appearance and Odor	CLEAR / NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill

Source /Well: MW-9

Locked: YES X NO ____

PVC X Steel ____ Stainless ____

Measuring Point Description: Top of casing

Purge Date: 4/14/10

Purge Time: 1315 to 1345

Sample Date: 4/14/10

Sample Time: 1350

Sampled By: GWS

Weather: CLOUDY 55°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	11.28	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	17.55	ft.
5)	Height of water column (h)	6.27	ft.

Well Purging and Sample Collection

1)	Purge Method	PERISTALTIC PUMP	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	1.1	gal.
4)	Volume of water removed prior to sampling	3	~~gal.~~ LITER
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	11.11	°C
2)	Specific Conductance	96	~~µmhos/cm~~ µS/cm
3)	pH	5.40	
4)	Physical Appearance and Odor	CLEAR/NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-10
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description: Top of casing

Purge Date: 4/15/10
Purge Time: 1450 to 1505
Sample Date: 4/15/10
Sample Time: 1520
Sampled By: GWS
Weather: Sunny 80°

Water Level and Well Data

1)	Depth to free product from measuring point		ft.
2)	Depth to water from measuring point	46.78	ft.
3)	Thickness of free product		ft.
4)	Depth to well bottom from measuring point	57.6	ft.
5)	Height of water column (h)	10.82	ft.

Well Purging and Sample Collection

1)	Purge Method	Winter Pump	
2)	Sample Method		
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	1.8	gal.
4)	Volume of water removed prior to sampling	6.0	gal.
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	15.05	°C
2)	Specific Conductance	122	µmhos/cm us/cm
3)	pH	6.86	
4)	Physical Appearance and Odor	CLEAR/NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-12
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description
Top of casing

Purge Date: 4/15/10
Purge Time: 1545 to 1555
Sample Date: 4/15/10
Sample Time: 1720
Sampled By: GWS
Weather: SUNNY 80°

Water Level and Well Data

1)	Depth to free product from measuring point		ft.
2)	Depth to water from measuring point	49.91	ft.
3)	Thickness of free product		ft.
4)	Depth to well bottom from measuring point	54.62	ft.
5)	Height of water column (h)	4.7	ft.

Well Purging and Sample Collection

1)	Purge Method	WHALER PUMP	
2)	Sample Method	BAILER	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	.8	gal.
4)	Volume of water removed prior to sampling	2.4	gal.
5)	Was well purged DRY ? YES ✓ NO ____		

DRY @ 1.5 GALLONS

Field Analysis

1)	Temperature	16.94	°C
2)	Specific Conductance	201	µmhos/cm
3)	pH	6.64	µS/cm
4)	Physical Appearance and Odor	CLEAR/NONE	

919-449-7731

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location Davie County Landfill

Source /Well MW-13

Locked YES X NO _____

PVC X Steel _____ Stainless _____

Measuring Point Description

Top of casing

Purge Date _____

Purge Time _____ to _____

Sample Date _____

Sample Time _____

Sampled By _____

Weather _____

Water Level and Well Data

1) Depth to free product from measuring point _____ ft.
2) Depth to water from measuring point _____ ft.
3) Thickness of free product _____ ft.
4) Depth to well bottom from measuring point 35.17 ft.
5) Height of water column (h) _____ ft.

Well Purging and Sample Collection

1) Purge Method _____
2) Sample Method _____
3) Volume of water in well
   X 2" well...(v=0.163 x h) _____ gal.
4) Volume of water removed prior to sampling _____ gal.
5) Was well purged DRY ? YES _____ NO _____

Field Analysis

1) Temperature _____ °C
2) Specific Conductance _____ µmhos/cm
3) pH _____
4) Physical Appearance and Odor Clear

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-14
Locked: YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description
Top of casing

Purge Date: 4/14/10
Purge Time: 1050 to 1120
Sample Date: 4/14/10
Sample Time: 1125
Sampled By: GARY SIMCOX
Weather: CLOUDY 55°

Water Level and Well Data

1)	Depth to free product from measuring point		ft.
2)	Depth to water from measuring point	6.77	ft.
3)	Thickness of free product		ft.
4)	Depth to well bottom from measuring point	17.7	ft.
5)	Height of water column (h)	10.93	ft.

Well Purging and Sample Collection

1)	Purge Method	PERISTALTIC PUMP	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	1.9	gal.
4)	Volume of water removed prior to sampling	6	LITER
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	11.56	°C
2)	Specific Conductance	1762	us/cm
3)	pH	6.87	
4)	Physical Appearance and Odor	CLEAR/NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-15
Locked: ____ YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description
Top of casing

Purge Date: 4/15/10
Purge Time: 1105 to 1120
Sample Date: 4/15/10
Sample Time: 1125
Sampled By: Gary Simcox
Weather: Sunny 70°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	47.08	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	55.1	ft.
5)	Height of water column (h)	8.02	ft.

Well Purging and Sample Collection

1)	Purge Method	Whaler Pump	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	1.4	gal.
4)	Volume of water removed prior to sampling	5.0	gal.
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	17.27	°C
2)	Specific Conductance	461	µmhos/cm
3)	pH	5.75	
4)	Physical Appearance and Odor	CLEAR NONE	

Hinged broken on well cap

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill

Source /Well: MW-16 Shallow

Locked: ____ YES X NO ____

PVC X Steel ____ Stainless ____

Measuring Point Description: Top of casing

Purge Date: 4/15/10

Purge Time: 1000 to 1015

Sample Date: 4/15/10

Sample Time: 1020

Sampled By: GARY SIMCOX

Weather: SUNNY 60°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	12.89	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	25.65	ft.
5)	Height of water column (h)	12.76	ft.

Well Purging and Sample Collection

1)	Purge Method	WATER PUMP		
2)	Sample Method			
3)	Volume of water in well			
	X 2" well...(v=0.163 x h)		2.2	gal.
4)	Volume of water removed prior to sampling		7.0	gal.
5)	Was well purged DRY ?	YES ____	NO ✓	

Field Analysis

1)	Temperature	13.03	°C
2)	Specific Conductance	99	~~umhos/cm~~ uS/cm
3)	pH	5.52	
4)	Physical Appearance and Odor	CLEAR / NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill

Source /Well: MW-16 Deep

Locked ____ YES X NO ____

PVC X Steel ____ Stainless ____

Measuring Point Description

Top of Casing

Purge Date: 4/15/10

Purge Time: 0920 to 0945

Sample Date: 4/15/10

Sample Time: 0950

Sampled By: GARY SIMCOX

Weather: CLEAR 55°

Water Level and Well Data

1)	Depth to free product from measuring point		ft.
2)	Depth to water from measuring point	13.02	ft.
3)	Thickness of free product		ft.
4)	Depth to well bottom from measuring point	58.65	ft.
5)	Height of water column (h)	45.6	ft.

Well Purging and Sample Collection

1)	Purge Method	WHALER PUMP		
2)	Sample Method	" "		
3)	Volume of water in well			
	X 2" well...(v=0.163 x h)		7.8	gal.
4)	Volume of water removed prior to sampling		13	gal.
5)	Was well purged DRY ?	YES ____	NO ✓	

Field Analysis

1)	Temperature	14.8	°C
2)	Specific Conductance	439	~~umhos/cm~~
3)	pH	5.32	uS/cm
4)	Physical Appearance and Odor	CLEAR/NONE	

DUPLICATE TAKEN @ THIS LOCATION

0700 HRS

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-17
Locked: ____ YES X NO ____
PVC X Steel ____ Stainless ____
Measuring Point Description
Top of casing

Purge Date: 4/15/10
Purge Time: 1225 to 1245
Sample Date: 4/15/10
Sample Time: 1250
Sampled By: Gary Simons
Weather: Sunny 75°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	48.34	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	59.1	ft.
5)	Height of water column (h)	10.7	ft.

Well Purging and Sample Collection

1)	Purge Method	Whaler Pump	
2)	Sample Method		
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	1.8	gal.
4)	Volume of water removed prior to sampling	5.0	gal.
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	15.89	°C
2)	Specific Conductance	112	µmhos/cm
3)	pH	6.15	us/cm
4)	Physical Appearance and Odor	CLEAR / NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill
Source /Well: MW-18
Locked: ____ YES: X NO: ____
PVC: X Steel: ____ Stainless: ____
Measuring Point Description: Top of casing

Purge Date: 4/15/10
Purge Time: 1145 to 1200
Sample Date: 4/15/10
Sample Time: 1205
Sampled By: Gary Simcox
Weather: Sunny 75°

Water Level and Well Data

1)	Depth to free product from measuring point	____	ft.
2)	Depth to water from measuring point	26.15	ft.
3)	Thickness of free product	____	ft.
4)	Depth to well bottom from measuring point	35.65	ft.
5)	Height of water column (h)	9.5	ft.

Well Purging and Sample Collection

1)	Purge Method	Whale Pump	
2)	Sample Method	" "	
3)	Volume of water in well		
	X 2" well...(v=0.163 x h)	1.7	gal.
4)	Volume of water removed prior to sampling	5.0	gal.
5)	Was well purged DRY ? YES ____ NO	✓	

Field Analysis

1)	Temperature	14.68	°C
2)	Specific Conductance	92	µmhos/cm µS/cm
3)	pH	5.86	
4)	Physical Appearance and Odor	CLEAR/NONE	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill

Source /Well: SW-1

Locked: YES _____ NO X

PVC _____ Steel _____ Stainless _____

Measuring Point Description: N-A

Purge Date: N-A

Purge Time: _____ to _____

Sample Date: 4/15/10

Sample Time: 1545

Sampled By: GWS

Weather: SUNNY 80°

Water Level and Well Data

1)	Depth to free product from measuring point	N-A	ft.
2)	Depth to water from measuring point		ft.
3)	Thickness of free product	N-A	ft.
4)	Depth to well bottom from measuring point	N-A	ft.
5)	Height of water column (h)		ft.

Well Purging and Sample Collection

1)	Purge Method		
2)	Sample Method		
3)	Volume of water in well		
	_____ 2" well...(v=0.163 x h)		gal.
4)	Volume of water removed prior to sampling	N-A	gal.
5)	Was well purged DRY ? YES _____ NO		

Field Analysis

1)	Temperature	18.08	°C
2)	Specific Conductance	127	µmhos/cm
3)	pH	7.47	
4)	Physical Appearance and Odor	CLEAR	

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill

Source /Well: SW-2

Locked: YES _____ NO X

PVC _____ Steel _____ Stainless _____

Measuring Point Description: N-A

Purge Date: N-A

Purge Time: _____ to _____

Sample Date: 4/15/10

Sample Time: ~~800~~ 1635

Sampled By: GWS

Weather: SUNNY 80°

Water Level and Well Data

1) Depth to free product from measuring point: N-A ft.
2) Depth to water from measuring point: _____ ft.
3) Thickness of free product: N-A ft.
4) Depth to well bottom from measuring point: N-A ft.
5) Height of water column (h): _____ ft.

Well Purging and Sample Collection

1) Purge Method: _____
2) Sample Method: _____
3) Volume of water in well
   _____ 2" well...(v=0.163 x h): _____ gal.
4) Volume of water removed prior to sampling: N-A gal.
5) Was well purged DRY ? YES _____ NO _____

Field Analysis

1) Temperature: 17.71 °C
2) Specific Conductance: 127 ~~µmhos/cm~~ µS/cm
3) pH: 7.38
4) Physical Appearance and Odor: Clear

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill

Source /Well: SW-3

Locked: YES _____ NO X

PVC _____ Steel _____ Stainless _____

Measuring Point Description: N-A

Purge Date: N-A

Purge Time: _____ to _____

Sample Date: 4/15/10

Sample Time: 1655

Sampled By: GWS

Weather: SUNNY 80°

Water Level and Well Data

1) Depth to free product from measuring point: N-A ft.
2) Depth to water from measuring point: _____ ft.
3) Thickness of free product: N-A ft.
4) Depth to well bottom from measuring point: N-A ft.
5) Height of water column (h): _____ ft.

Well Purging and Sample Collection

1) Purge Method: _____
2) Sample Method: _____
3) Volume of water in well
   _____ 2" well...(v=0.163 x h): _____ gal.
4) Volume of water removed prior to sampling: N-A gal.
5) Was well purged DRY ? YES _____ NO _____

Field Analysis

1) Temperature: 16.31 °C
2) Specific Conductance: 526 µmhos/cm µS/cm
3) pH: 8.21
4) Physical Appearance and Odor: CLEAR

Only 2 VOA's

S&ME INC.

GROUNDWATER SAMPLING FIELD DATA

Location: Davie County Landfill

Source /Well: SW-4

Locked: YES _____ NO X

PVC _____ Steel _____ Stainless _____

Measuring Point Description: N-A

Purge Date: N-A

Purge Time: _____ to _____

Sample Date: 4/15/10

Sample Time: 1810

Sampled By: GARY SIMCOX

Weather: SUNNY 80°

Water Level and Well Data

1)	Depth to free product from measuring point	N-A	ft.
2)	Depth to water from measuring point		ft.
3)	Thickness of free product	N-A	ft.
4)	Depth to well bottom from measuring point	N-A	ft.
5)	Height of water column (h)		ft.

Well Purging and Sample Collection

1)	Purge Method		
2)	Sample Method		
3)	Volume of water in well		
	_____ 2" well...(v=0.163 x h)		gal.
4)	Volume of water removed prior to sampling	N-A	gal.
5)	Was well purged DRY ? YES _____ NO		

Field Analysis

1)	Temperature	18.47	°C
2)	Specific Conductance	128	µmhos/cm µS/cm
3)	pH	7.62	
4)	Physical Appearance and Odor	CLEAR	

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

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: Beth Brown
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Facility # (if required)

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 ___/___/___

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers											Sample Comments

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	4/12/10	[signature]	4/16/10 0900		
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-31 C-110		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice N-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

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

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: Beth Brown
Sampler(s) Name, Affiliation (Print):	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

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 ___/___/___

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-MW14	4/14/10	1125	G	GW	4	X	X	X								
	3001-MW16S	4/15/10	1020	G	GW	4	X	X	X								
	3001-MW17	4/15/10	1250	G	GW	4	X	X	X								
	3001-SW1	4/15/10	1745	G	SW	4	X	X	X								
	3001-SW3	4/15/10	1655	G	SW	4	X	X	X								
	3001-DUP	4/15/10	0700	G	GW	4	X	X	X								

<- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	4/12/10	[signature]	4/16/10 0900		
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-31 C-110		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil 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

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

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: Beth Brown
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Facility # (if required)

Requested Tumaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Cd,Cr,Pb,Se	Hg								Sample Comments
	3001-MW2	4/14/10	1605	G	GW	4	X	X	X								
	3001-MW4	4/14/10	0945	G	GW	4	X	X	X								
	3001-MW6	4/14/10	1300	G	GW	4	X	X	X								
	3001-MW8	4/14/10	1445	G	GW	4	X	X	X								
	3001-MW10	4/15/10	1520	G	GW	4	X	X	X								
	3001-MW12	4/15/10	1720	G	GW	4	X	X	X								

<- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	4/12/10	[signature]	4/16/10 0900		
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-31 C-110		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

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

Thursday, April 22, 2010

Grey Engineering (GR009)

Attn: Beth Brown

254 West Water Street

Mocksville, NC 27028

RE: Laboratory Results for
Project Number: 1584-03-109, Project Name/Desc: Davie County Landfill
ENCO Workorder: C004340

Dear Beth Brown,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 16, 2010.

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 114.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3001-MW1 MS/MSD **Lab ID: C004340-01** **Sampled: 04/14/10 17:05** **Received: 04/16/10 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 11:53
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 13:33
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 03:45

Client ID: 3001-MW2 **Lab ID: C004340-02** **Sampled: 04/14/10 16:05** **Received: 04/16/10 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 12:06
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 13:53
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 04:14

Client ID: 3001-MW3 **Lab ID: C004340-03** **Sampled: 04/14/10 10:35** **Received: 04/16/10 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 12:08
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 13:56
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 04:43

Client ID: 3001-MW4 **Lab ID: C004340-04** **Sampled: 04/14/10 09:45** **Received: 04/16/10 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 12:10
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 13:59
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 05:13

Client ID: 3001-MW5 **Lab ID: C004340-05** **Sampled: 04/15/10 14:25** **Received: 04/16/10 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:13
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:02
EPA 8260B	04/29/10	04/20/10 13:03	4/21/2010 05:42

Client ID: 3001-MW6 **Lab ID: C004340-06** **Sampled: 04/14/10 13:00** **Received: 04/16/10 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 12:22
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 14:04
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 06:11

www.encolabs.com

Client ID: 3001-MW7	Lab ID: C004340-07	Sampled: 04/14/10 12:10	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 12:24
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 14:07
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 06:40

Client ID: 3001-MW8	Lab ID: C004340-08	Sampled: 04/14/10 14:45	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 12:27
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 14:16
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 07:09

Client ID: 3001-MW9	Lab ID: C004340-09	Sampled: 04/14/10 13:50	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 12:29
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 14:19
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 07:38

Client ID: 3001-MW10	Lab ID: C004340-10	Sampled: 04/15/10 15:20	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:31
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:22
EPA 8260B	04/29/10	04/20/10 13:03	4/21/2010 08:08

Client ID: 3001-MW12	Lab ID: C004340-11	Sampled: 04/15/10 17:20	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:34
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:25
EPA 8260B	04/29/10	04/20/10 13:03	4/21/2010 08:37

Client ID: 3001-MW14	Lab ID: C004340-12	Sampled: 04/14/10 11:25	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/11/10	04/19/10 10:15	4/20/2010 12:36
EPA 7470A	05/12/10	04/20/10 08:21	4/20/2010 14:27
EPA 8260B	04/28/10	04/20/10 13:03	4/21/2010 09:06

Client ID: 3001-MW15	Lab ID: C004340-13	Sampled: 04/15/10 11:25	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:39
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:31
EPA 8260B	04/29/10	04/20/10 13:03	4/21/2010 09:35

www.encolabs.com

Client ID: 3001-MW16S	Lab ID: C004340-14	Sampled: 04/15/10 10:20	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:41
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:33
EPA 8260B	04/29/10	04/20/10 13:03	4/21/2010 10:05

Client ID: 3001-MW16D	Lab ID: C004340-15	Sampled: 04/15/10 09:50	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:43
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:36
EPA 8260B	04/29/10	04/20/10 13:03	4/21/2010 10:34

Client ID: 3001-MW17	Lab ID: C004340-16	Sampled: 04/15/10 12:50	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:53
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:39
EPA 8260B	04/29/10	04/20/10 13:03	4/21/2010 11:04

Client ID: 3001-MW18	Lab ID: C004340-17	Sampled: 04/15/10 12:05	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:55
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:42
EPA 8260B	04/29/10	04/21/10 09:53	4/21/2010 18:24

Client ID: 3001-SW1	Lab ID: C004340-18	Sampled: 04/15/10 17:45	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 12:57
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:52
EPA 8260B	04/29/10	04/21/10 09:53	4/21/2010 18:53

Client ID: 3001-SW2	Lab ID: C004340-19	Sampled: 04/15/10 16:35	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 13:00
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:55
EPA 8260B	04/29/10	04/21/10 09:53	4/21/2010 19:22

Client ID: 3001-SW3	Lab ID: C004340-20	Sampled: 04/15/10 16:55	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 10:15	4/20/2010 13:02
EPA 7470A	05/13/10	04/20/10 08:21	4/20/2010 14:58
EPA 8260B	04/29/10	04/21/10 09:53	4/21/2010 19:52

www.encolabs.com

Client ID: 3001-SW4	Lab ID: C004340-21	Sampled: 04/15/10 18:10	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 13:04	4/21/2010 13:23
EPA 7470A	05/13/10	04/20/10 08:24	4/20/2010 15:33
EPA 8260B	04/29/10	04/20/10 10:48	4/20/2010 21:55

Client ID: 3001-DUP	Lab ID: C004340-22	Sampled: 04/15/10 07:00	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/12/10	04/19/10 09:50	4/20/2010 10:56
EPA 7470A	05/13/10	04/20/10 08:24	4/20/2010 15:36
EPA 8260B	04/29/10	04/20/10 10:48	4/20/2010 22:24

Client ID: 3001-TRIPBLANK	Lab ID: C004340-23	Sampled: 04/14/10 09:45	Received: 04/16/10 12:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/28/10	04/20/10 10:48	4/20/2010 22:53

www.encolabs.com

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 3001-MW1 MS/MSD **Lab ID: C004340-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	3.4	J	1	0.050	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.5		1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	319		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	2.0		1	0.050	1.0	1	ug/L	EPA 8260B	
Bromomethane	3.9	J	1	0.28	1.0	10	ug/L	EPA 8260B	
Chlorobenzene	0.55	J	1	0.069	1.0	3	ug/L	EPA 8260B	
Chloroethane	7.9	J	1	0.18	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	12		1	0.075	1.0	5	ug/L	EPA 8260B	
Silver - Total	2.41	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Trichloroethene	5.5		1	0.13	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	2.8		1	0.083	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW2 **Lab ID: C004340-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	72.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.41	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.16	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW3 **Lab ID: C004340-03**

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

Client ID: 3001-MW4 **Lab ID: C004340-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.0	J	1	0.050	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.6		1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	93.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.8		1	0.050	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.66	J	1	0.069	1.0	3	ug/L	EPA 8260B	
Chloroethane	2.2	J	1	0.18	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	4.3	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Vinyl chloride	0.42	J	1	0.083	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW5 **Lab ID: C004340-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	6.3		1	0.050	1.0	5	ug/L	EPA 8260B	
1,2-Dichloropropane	2.9		1	0.098	1.0	1	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.2		1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	22.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	2.8		1	0.050	1.0	1	ug/L	EPA 8260B	
Cadmium - Total	0.721	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chloroethane	1.5	J	1	0.18	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	15		1	0.075	1.0	5	ug/L	EPA 8260B	
Lead - Total	5.19	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	0.40	J	1	0.099	1.0	1	ug/L	EPA 8260B	
Trichloroethene	16		1	0.13	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	1.1		1	0.083	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW6 **Lab ID: C004340-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	28.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-MW7 **Lab ID: C004340-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	9.11	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-MW8 **Lab ID: C004340-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	12.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-MW9 **Lab ID: C004340-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	4.13	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.83	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW10 **Lab ID: C004340-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.5	J	1	0.050	1.0	5	ug/L	EPA 8260B	
Barium - Total	26.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.51	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	2.6	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Lead - Total	2.40	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Methylene chloride	0.95	J	1	0.070	1.0	1	ug/L	EPA 8260B	
Tetrachloroethene	9.1		1	0.099	1.0	1	ug/L	EPA 8260B	
Trichloroethene	3.6		1	0.13	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	0.48	J	1	0.15	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW12 **Lab ID: C004340-11**

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	
Chromium - Total	3.56	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	0.79	J	1	0.099	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW14 **Lab ID: C004340-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	0.43	J	1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	270		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.94	J	1	0.069	1.0	3	ug/L	EPA 8260B	
Chromium - Total	1.86	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Silver - Total	2.59	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW15 **Lab ID: C004340-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.3	J	1	0.050	1.0	5	ug/L	EPA 8260B	
Barium - Total	25.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.56	J	1	0.050	1.0	1	ug/L	EPA 8260B	
Chloroethane	3.4	J	1	0.18	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	2.0	J	1	0.075	1.0	5	ug/L	EPA 8260B	
m,p-Xylenes	0.91	J	1	0.18	2.0	NE	ug/L	EPA 8260B	
Methylene chloride	0.91	J	1	0.070	1.0	1	ug/L	EPA 8260B	

Client ID: 3001-MW15 **Lab ID: C004340-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Tetrachloroethene	2.3		1	0.099	1.0	1	ug/L	EPA 8260B	
Trichloroethene	2.3		1	0.13	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	1.1		1	0.15	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	0.91	J	1	0.22	1.0	5	ug/L	EPA 8260B	

Client ID: 3001-MW16S **Lab ID: C004340-14**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	69.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	1.52		1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	3.31	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.03	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW16D **Lab ID: C004340-15**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	6.0		1	0.050	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.2		1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	94.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.5		1	0.050	1.0	1	ug/L	EPA 8260B	
Chloroethane	2.2	J	1	0.18	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	6.9		1	0.075	1.0	5	ug/L	EPA 8260B	
Methylene chloride	2.4		1	0.070	1.0	1	ug/L	EPA 8260B	
o-Xylene	0.54	J	1	0.088	1.0	NE	ug/L	EPA 8260B	
Tetrachloroethene	2.5		1	0.099	1.0	1	ug/L	EPA 8260B	
Trichloroethene	1.7		1	0.13	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	0.81	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	0.82	J	1	0.083	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	0.54	J	1	0.22	1.0	5	ug/L	EPA 8260B	

Client ID: 3001-MW17 **Lab ID: C004340-16**

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	3.70	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.40	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-MW18 **Lab ID: C004340-17**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	11.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	3.68	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.20	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 3001-SW1 **Lab ID: C004340-18**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	21.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-SW2 **Lab ID: C004340-19**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	24.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-SW3 **Lab ID: C004340-20**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes

Client ID: 3001-SW3 **Lab ID: C004340-20**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	59.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-SW4 **Lab ID: C004340-21**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	23.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 3001-DUP **Lab ID: C004340-22**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	5.5		1	0.050	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.1		1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	91.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.6		1	0.050	1.0	1	ug/L	EPA 8260B	
Chloroethane	2.1	J	1	0.18	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	7.0		1	0.075	1.0	5	ug/L	EPA 8260B	
Methylene chloride	2.2		1	0.070	1.0	1	ug/L	EPA 8260B	
o-Xylene	0.56	J	1	0.088	1.0	NE	ug/L	EPA 8260B	
Tetrachloroethene	2.6		1	0.099	1.0	1	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	0.45	J	1	0.11	1.0	5	ug/L	EPA 8260B	
Trichloroethene	1.6		1	0.13	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	0.83	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	0.89	J	1	0.083	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	0.56	J	1	0.22	1.0	5	ug/L	EPA 8260B	

www.encolabs.com

ANALYTICAL RESULTS

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

Lab Sample ID: C004340-01
Sampled: 04/14/10 17:05
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 03:45	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 03:45	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
1,1-Dichloroethane [75-34-3] ^	**3.4**	J	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 03:45	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 03:45	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 03:45	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 03:45	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**2.5**		ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 03:45	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 03:45	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 03:45	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 03:45	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 03:45	JKG	
Benzene [71-43-2] ^	**2.0**		ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 03:45	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 03:45	JKG	
Bromomethane [74-83-9] ^	**3.9**	J	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 03:45	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 03:45	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Chlorobenzene [108-90-7] ^	**0.55**	J	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 03:45	JKG	
Chloroethane [75-00-3] ^	**7.9**	J	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 03:45	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 03:45	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**12**		ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 03:45	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 03:45	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 03:45	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 03:45	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 03:45	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 03:45	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 03:45	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 03:45	JKG	

www.encolabs.com

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

Lab Sample ID: C004340-01
Sampled: 04/14/10 17:05
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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
Trichloroethene [79-01-6] ^	**5.5**		ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 03:45	JKG	
Vinyl chloride [75-01-4] ^	**2.8**		ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 03:45	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 03:45	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 03:45*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 03:45*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 03:45*	*JKG*	

www.encolabs.com

Description:	3001-MW1 MS/MSD	**Lab Sample ID:**	C004340-01	**Received:**	04/16/10 12:00
Matrix:	Ground Water	**Sampled:**	04/14/10 17:05	**Work Order:**	C004340
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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 13:33	NLH	

www.encolabs.com

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

Lab Sample ID: C004340-01
Sampled: 04/14/10 17:05
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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	04/20/10 11:53	JDH	
Barium [7440-39-3] ^	**319**		ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 11:53	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 11:53	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 11:53	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 11:53	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 11:53	JDH	
Silver [7440-22-4] ^	**2.41**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 11:53	JDH	

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

www.encolabs.com

Description: 3001-MW2 | **Lab Sample ID:** C004340-02 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 16:05 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 04:14	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 04:14	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 04:14	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 04:14	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 04:14	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 04:14	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 04:14	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 04:14	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 04:14	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 04:14	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 04:14	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 04:14	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 04:14	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 04:14	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 04:14	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 04:14	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 04:14	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 04:14	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 04:14	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 04:14	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 04:14	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 04:14	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 04:14	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 04:14	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 04:14	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 04:14	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 04:14	JKG	

www.encolabs.com

Description: 3001-MW2 | **Lab Sample ID:** C004340-02 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 16:05 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 04:14	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 04:14	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 04:14	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*79 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 04:14*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 04:14*	*JKG*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 04:14*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-02
Sampled: 04/14/10 16:05
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 13:53	NLH	

www.encolabs.com

Description: 3001-MW2 | **Lab Sample ID:** C004340-02 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 16:05 | **Work Order:** C004340

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	04/20/10 12:06	JDH	
Barium [7440-39-3] ^	**72.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:06	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:06	JDH	
Chromium [7440-47-3] ^	**2.41**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:06	JDH	
Lead [7439-92-1] ^	**2.16**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:06	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:06	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:06	JDH	

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

www.encolabs.com

Description: 3001-MW3 | **Lab Sample ID:** C004340-03 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 10:35 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 04:43	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 04:43	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 04:43	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 04:43	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 04:43	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 04:43	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 04:43	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 04:43	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 04:43	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 04:43	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 04:43	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 04:43	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 04:43	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 04:43	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 04:43	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 04:43	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 04:43	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 04:43	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 04:43	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 04:43	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 04:43	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 04:43	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 04:43	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 04:43	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 04:43	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 04:43	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 04:43	JKG	

www.encolabs.com

Description: 3001-MW3 | **Lab Sample ID:** C004340-03 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 10:35 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 04:43	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 04:43	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 04:43	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 04:43*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 04:43*	*JKG*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 04:43*	*JKG*	

www.encolabs.com

Description: 3001-MW3 | **Lab Sample ID:** C004340-03 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 10:35 | **Work Order:** C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 13:56	NLH	

www.encolabs.com

Description: 3001-MW3 | **Lab Sample ID:** C004340-03 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 10:35 | **Work Order:** C004340

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	04/20/10 12:08	JDH	
Barium [7440-39-3] ^	**13.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:08	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:08	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:08	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:08	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:08	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:08	JDH	

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

www.encolabs.com

Description: 3001-MW4 | **Lab Sample ID:** C004340-04 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 09:45 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 05:13	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 05:13	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
1,1-Dichloroethane [75-34-3] ^	**2.0**	J	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 05:13	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 05:13	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 05:13	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 05:13	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.6**		ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 05:13	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 05:13	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 05:13	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 05:13	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 05:13	JKG	
Benzene [71-43-2] ^	**1.8**		ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 05:13	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 05:13	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 05:13	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 05:13	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Chlorobenzene [108-90-7] ^	**0.66**	J	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 05:13	JKG	
Chloroethane [75-00-3] ^	**2.2**	J	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 05:13	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 05:13	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**4.3**	J	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 05:13	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 05:13	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 05:13	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 05:13	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 05:13	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 05:13	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 05:13	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 05:13	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 05:13	JKG	

www.encolabs.com

Description: 3001-MW4 | **Lab Sample ID:** C004340-04 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 09:45 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 05:13	JKG	
Vinyl chloride [75-01-4] ^	**0.42**	J	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 05:13	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 05:13	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 05:13*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 05:13*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 05:13*	*JKG*	

www.encolabs.com

Description: 3001-MW4 | **Lab Sample ID:** C004340-04 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 09:45 | **Work Order:** C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 13:59	NLH	

www.encolabs.com

Description: 3001-MW4 | **Lab Sample ID:** C004340-04 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 09:45 | **Work Order:** C004340

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	04/20/10 12:10	JDH	
Barium [7440-39-3] ^	**93.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:10	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:10	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:10	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:10	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:10	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:10	JDH	

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

www.encolabs.com

Description: 3001-MW5 | **Lab Sample ID:** C004340-05 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 14:25 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 05:42	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 05:42	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
1,1-Dichloroethane [75-34-3] ^	**6.3**		ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 05:42	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 05:42	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 05:42	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 05:42	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
1,2-Dichloropropane [78-87-5] ^	**2.9**		ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.2**		ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 05:42	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 05:42	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 05:42	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 05:42	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 05:42	JKG	
Benzene [71-43-2] ^	**2.8**		ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 05:42	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 05:42	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 05:42	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 05:42	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 05:42	JKG	
Chloroethane [75-00-3] ^	**1.5**	J	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 05:42	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 05:42	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**15**		ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 05:42	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 05:42	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 05:42	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 05:42	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 05:42	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 05:42	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Tetrachloroethene [127-18-4] ^	**0.40**	J	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 05:42	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 05:42	JKG	
Trichloroethene [79-01-6] ^	**16**		ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 05:42	JKG	

www.encolabs.com

Description: 3001-MW5 | **Lab Sample ID:** C004340-05 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 14:25 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 05:42	JKG	
Vinyl chloride [75-01-4] ^	**1.1**		ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 05:42	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 05:42	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 05:42*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 05:42*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 05:42*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-05
Sampled: 04/15/10 14:25
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:02	NLH	

www.encolabs.com

Description: 3001-MW5 | **Lab Sample ID:** C004340-05 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 14:25 | **Work Order:** C004340

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	04/20/10 12:13	JDH	
Barium [7440-39-3] ^	**22.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:13	JDH	
Cadmium [7440-43-9] ^	**0.721**	J	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:13	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:13	JDH	
Lead [7439-92-1] ^	**5.19**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:13	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:13	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:13	JDH	

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

www.encolabs.com

Description: 3001-MW6 | **Lab Sample ID:** C004340-06 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 13:00 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 06:11	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 06:11	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 06:11	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 06:11	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 06:11	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 06:11	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 06:11	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 06:11	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 06:11	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 06:11	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 06:11	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 06:11	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 06:11	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 06:11	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 06:11	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 06:11	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 06:11	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 06:11	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 06:11	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 06:11	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 06:11	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 06:11	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 06:11	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 06:11	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 06:11	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 06:11	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 06:11	JKG	

www.encolabs.com

Description: 3001-MW6 | **Lab Sample ID:** C004340-06 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 13:00 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 06:11	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 06:11	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 06:11	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*81 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 06:11*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 06:11*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 06:11*	*JKG*	

www.encolabs.com

Description: 3001-MW6 | **Lab Sample ID:** C004340-06 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 13:00 | **Work Order:** C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:04	NLH	

www.encolabs.com

Description: 3001-MW6 | **Lab Sample ID:** C004340-06 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 13:00 | **Work Order:** C004340

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	04/20/10 12:22	JDH	
Barium [7440-39-3] ^	**28.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:22	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:22	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:22	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:22	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:22	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:22	JDH	

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

www.encolabs.com

Description: 3001-MW7 | **Lab Sample ID:** C004340-07 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 12:10 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 06:40	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 06:40	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 06:40	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 06:40	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 06:40	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 06:40	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 06:40	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 06:40	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 06:40	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 06:40	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 06:40	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 06:40	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 06:40	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 06:40	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 06:40	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 06:40	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 06:40	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 06:40	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 06:40	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 06:40	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 06:40	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 06:40	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 06:40	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 06:40	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 06:40	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 06:40	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 06:40	JKG	

www.encolabs.com

Description: 3001-MW7
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C004340-07
Sampled: 04/14/10 12:10
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 06:40	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 06:40	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 06:40	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 06:40*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 06:40*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 06:40*	*JKG*	

www.encolabs.com

Description: 3001-MW7 | **Lab Sample ID:** C004340-07 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 12:10 | **Work Order:** C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:07	NLH	

www.encolabs.com

Description: 3001-MW7 | **Lab Sample ID:** C004340-07 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 12:10 | **Work Order:** C004340

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	04/20/10 12:24	JDH	
Barium [7440-39-3] ^	**9.11**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:24	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:24	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:24	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:24	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:24	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:24	JDH	

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

www.encolabs.com

Description: 3001-MW8 | **Lab Sample ID:** C004340-08 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 14:45 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 07:09	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 07:09	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 07:09	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 07:09	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 07:09	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 07:09	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 07:09	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 07:09	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 07:09	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 07:09	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 07:09	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 07:09	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 07:09	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 07:09	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 07:09	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 07:09	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 07:09	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 07:09	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 07:09	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 07:09	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 07:09	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 07:09	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 07:09	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 07:09	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 07:09	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 07:09	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 07:09	JKG	

www.encolabs.com

Description: 3001-MW8 | **Lab Sample ID:** C004340-08 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 14:45 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 07:09	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 07:09	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 07:09	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 07:09*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 07:09*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 07:09*	*JKG*	

www.encolabs.com

Description: 3001-MW8 | **Lab Sample ID:** C004340-08 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 14:45 | **Work Order:** C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:16	NLH	

www.encolabs.com

Description: 3001-MW8 | **Lab Sample ID:** C004340-08 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 14:45 | **Work Order:** C004340

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	04/20/10 12:27	JDH	
Barium [7440-39-3] ^	**12.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:27	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:27	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:27	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:27	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:27	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:27	JDH	

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

www.encolabs.com

Description: 3001-MW9 | **Lab Sample ID:** C004340-09 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 13:50 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 07:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 07:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 07:38	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 07:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 07:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 07:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 07:38	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 07:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 07:38	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 07:38	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 07:38	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 07:38	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 07:38	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 07:38	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 07:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 07:38	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 07:38	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 07:38	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 07:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 07:38	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 07:38	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 07:38	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 07:38	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 07:38	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 07:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 07:38	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 07:38	JKG	

www.encolabs.com

Description: 3001-MW9 | **Lab Sample ID:** C004340-09 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 13:50 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 07:38	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 07:38	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 07:38	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 07:38*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 07:38*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 07:38*	*JKG*	

www.encolabs.com

Description: 3001-MW9 | **Lab Sample ID:** C004340-09 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 13:50 | **Work Order:** C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:19	NLH	

www.encolabs.com

Description: 3001-MW9 | **Lab Sample ID:** C004340-09 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 13:50 | **Work Order:** C004340

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	04/20/10 12:29	JDH	
Barium [7440-39-3] ^	**4.13**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:29	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:29	JDH	
Chromium [7440-47-3] ^	**1.83**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:29	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:29	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:29	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:29	JDH	

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

www.encolabs.com

Description: 3001-MW10 | **Lab Sample ID:** C004340-10 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 15:20 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 08:08	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 08:08	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.5**	J	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 08:08	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 08:08	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 08:08	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 08:08	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 08:08	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 08:08	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 08:08	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 08:08	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 08:08	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 08:08	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 08:08	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 08:08	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 08:08	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 08:08	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 08:08	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 08:08	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**2.6**	J	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 08:08	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 08:08	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 08:08	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 08:08	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 08:08	JKG	
Methylene chloride [75-09-2] ^	**0.95**	J	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 08:08	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Tetrachloroethene [127-18-4] ^	**9.1**		ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 08:08	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 08:08	JKG	
Trichloroethene [79-01-6] ^	**3.6**		ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Trichlorofluoromethane [75-69-4] ^	**0.48**	J	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 08:08	JKG	

www.encolabs.com

Description: 3001-MW10 | **Lab Sample ID:** C004340-10 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 15:20 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 08:08	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 08:08	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 08:08	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 08:08*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 08:08*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 08:08*	*JKG*	

www.encolabs.com

Description: 3001-MW10
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C004340-10
Sampled: 04/15/10 15:20
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:22	NLH	

www.encolabs.com

Description: 3001-MW10 | **Lab Sample ID:** C004340-10 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 15:20 | **Work Order:** C004340

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	04/20/10 12:31	JDH	
Barium [7440-39-3] ^	**26.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:31	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:31	JDH	
Chromium [7440-47-3] ^	**1.51**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:31	JDH	
Lead [7439-92-1] ^	**2.40**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:31	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:31	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:31	JDH	

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

www.encolabs.com

Description: 3001-MW12 | **Lab Sample ID:** C004340-11 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 17:20 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 08:37	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 08:37	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 08:37	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 08:37	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 08:37	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 08:37	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 08:37	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 08:37	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 08:37	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 08:37	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 08:37	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 08:37	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 08:37	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 08:37	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 08:37	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 08:37	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 08:37	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 08:37	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 08:37	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 08:37	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 08:37	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 08:37	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 08:37	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 08:37	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Tetrachloroethene [127-18-4] ^	**0.79**	J	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 08:37	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 08:37	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 08:37	JKG	

www.encolabs.com

Description: 3001-MW12 | **Lab Sample ID:** C004340-11 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 17:20 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 08:37	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 08:37	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 08:37	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*81 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 08:37*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 08:37*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 08:37*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-11
Sampled: 04/15/10 17:20
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:25	NLH	

www.encolabs.com

Description: 3001-MW12 | **Lab Sample ID:** C004340-11 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 17:20 | **Work Order:** C004340

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	04/20/10 12:34	JDH	
Barium [7440-39-3] ^	**20.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:34	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:34	JDH	
Chromium [7440-47-3] ^	**3.56**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:34	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:34	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:34	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:34	JDH	

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

www.encolabs.com

Description: 3001-MW14 | **Lab Sample ID:** C004340-12 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 11:25 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 09:06	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 09:06	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 09:06	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 09:06	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 09:06	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 09:06	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.43**	J	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 09:06	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 09:06	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 09:06	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 09:06	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 09:06	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 09:06	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 09:06	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 09:06	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 09:06	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Chlorobenzene [108-90-7] ^	**0.94**	J	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 09:06	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 09:06	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 09:06	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 09:06	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 09:06	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 09:06	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 09:06	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 09:06	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 09:06	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 09:06	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 09:06	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 09:06	JKG	

www.encolabs.com

Description: 3001-MW14 | **Lab Sample ID:** C004340-12 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 11:25 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 09:06	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 09:06	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 09:06	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*81 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 09:06*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 09:06*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 09:06*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-12
Sampled: 04/14/10 11:25
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:27	NLH	

www.encolabs.com

Description: 3001-MW14 | **Lab Sample ID:** C004340-12 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/14/10 11:25 | **Work Order:** C004340

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	04/20/10 12:36	JDH	
Barium [7440-39-3] ^	**270**		ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:36	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:36	JDH	
Chromium [7440-47-3] ^	**1.86**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:36	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:36	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:36	JDH	
Silver [7440-22-4] ^	**2.59**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:36	JDH	

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

www.encolabs.com

Description: 3001-MW15 | **Lab Sample ID:** C004340-13 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 11:25 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 09:35	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 09:35	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
1,1-Dichloroethane [75-34-3] ^	**2.3**	J	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 09:35	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 09:35	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 09:35	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 09:35	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 09:35	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 09:35	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 09:35	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 09:35	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 09:35	JKG	
Benzene [71-43-2] ^	**0.56**	J	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 09:35	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 09:35	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 09:35	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 09:35	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 09:35	JKG	
Chloroethane [75-00-3] ^	**3.4**	J	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 09:35	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 09:35	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**2.0**	J	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 09:35	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 09:35	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 09:35	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 09:35	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	**0.91**	J	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 09:35	JKG	
Methylene chloride [75-09-2] ^	**0.91**	J	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 09:35	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Tetrachloroethene [127-18-4] ^	**2.3**		ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 09:35	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 09:35	JKG	
Trichloroethene [79-01-6] ^	**2.3**		ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Trichlorofluoromethane [75-69-4] ^	**1.1**		ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 09:35	JKG	

www.encolabs.com

Description: 3001-MW15 | **Lab Sample ID:** C004340-13 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 11:25 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 09:35	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 09:35	JKG	
Xylenes (Total) [1330-20-7] ^	**0.91**	J	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 09:35	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 09:35*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*97 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 09:35*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 09:35*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-13
Sampled: 04/15/10 11:25
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:31	NLH	

www.encolabs.com

Description: 3001-MW15 | **Lab Sample ID:** C004340-13 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 11:25 | **Work Order:** C004340

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	04/20/10 12:39	JDH	
Barium [7440-39-3] ^	**25.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:39	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:39	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:39	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:39	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:39	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:39	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004340-14
Sampled: 04/15/10 10:20
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 10:05	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 10:05	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 10:05	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 10:05	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 10:05	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 10:05	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 10:05	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 10:05	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 10:05	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 10:05	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 10:05	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 10:05	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 10:05	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 10:05	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 10:05	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 10:05	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 10:05	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 10:05	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 10:05	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 10:05	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 10:05	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 10:05	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 10:05	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 10:05	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 10:05	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 10:05	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 10:05	JKG	

www.encolabs.com

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

Lab Sample ID: C004340-14
Sampled: 04/15/10 10:20
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 10:05	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 10:05	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 10:05	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 10:05*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 10:05*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 10:05*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-14
Sampled: 04/15/10 10:20
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:33	NLH	

www.encolabs.com

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

Lab Sample ID: C004340-14
Sampled: 04/15/10 10:20
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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	04/20/10 12:41	JDH	
Barium [7440-39-3] ^	**69.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:41	JDH	
Cadmium [7440-43-9] ^	**1.52**		ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:41	JDH	
Chromium [7440-47-3] ^	**3.31**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:41	JDH	
Lead [7439-92-1] ^	**2.03**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:41	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:41	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:41	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004340-15
Sampled: 04/15/10 09:50
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 10:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 10:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
1,1-Dichloroethane [75-34-3] ^	**6.0**		ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 10:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 10:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 10:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 10:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.2**		ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 10:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 10:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 10:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 10:34	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 10:34	JKG	
Benzene [71-43-2] ^	**1.5**		ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 10:34	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 10:34	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 10:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 10:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 10:34	JKG	
Chloroethane [75-00-3] ^	**2.2**	J	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 10:34	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 10:34	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**6.9**		ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 10:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 10:34	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 10:34	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 10:34	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 10:34	JKG	
Methylene chloride [75-09-2] ^	**2.4**		ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
o-Xylene [95-47-6] ^	**0.54**	J	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 10:34	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Tetrachloroethene [127-18-4] ^	**2.5**		ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 10:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 10:34	JKG	
Trichloroethene [79-01-6] ^	**1.7**		ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Trichlorofluoromethane [75-69-4] ^	**0.81**	J	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 10:34	JKG	

www.encolabs.com

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

Lab Sample ID: C004340-15
Sampled: 04/15/10 09:50
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 10:34	JKG	
Vinyl chloride [75-01-4] ^	**0.82**	J	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 10:34	JKG	
Xylenes (Total) [1330-20-7] ^	**0.54**	J	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 10:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 10:34*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*99 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 10:34*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 10:34*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-15
Sampled: 04/15/10 09:50
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:36	NLH	

www.encolabs.com

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

Lab Sample ID: C004340-15
Sampled: 04/15/10 09:50
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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	04/20/10 12:43	JDH	
Barium [7440-39-3] ^	**94.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:43	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:43	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:43	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:43	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:43	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:43	JDH	

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

www.encolabs.com

Description: 3001-MW17 | **Lab Sample ID:** C004340-16 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 12:50 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 11:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 11:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 11:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 11:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 11:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 11:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 11:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 11:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 11:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 11:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 11:04	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 11:04	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 11:04	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 11:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 11:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 11:04	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 11:04	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 11:04	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 11:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 11:04	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 11:04	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 11:04	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 11:04	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 11:04	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 11:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 11:04	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 11:04	JKG	

www.encolabs.com

Description: 3001-MW17 | **Lab Sample ID:** C004340-16 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 12:50 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 11:04	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 11:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 11:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*83 %*	*51-122*	*0D20026*	*EPA 8260B*	*04/21/10 11:04*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*68-117*	*0D20026*	*EPA 8260B*	*04/21/10 11:04*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*0D20026*	*EPA 8260B*	*04/21/10 11:04*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-16
Sampled: 04/15/10 12:50
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:39	NLH	

www.encolabs.com

Description: 3001-MW17 | **Lab Sample ID:** C004340-16 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 12:50 | **Work Order:** C004340

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	04/20/10 12:53	JDH	
Barium [7440-39-3] ^	**51.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:53	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:53	JDH	
Chromium [7440-47-3] ^	**3.70**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:53	JDH	
Lead [7439-92-1] ^	**4.40**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:53	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:53	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:53	JDH	

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

www.encolabs.com

Description: 3001-MW18 | **Lab Sample ID:** C004340-17 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 12:05 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 18:24	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 18:24	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 18:24	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 18:24	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 18:24	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 18:24	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 18:24	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 18:24	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 18:24	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 18:24	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 18:24	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 18:24	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 18:24	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 18:24	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 18:24	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 18:24	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 18:24	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 18:24	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 18:24	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 18:24	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 18:24	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 18:24	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 18:24	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 18:24	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 18:24	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 18:24	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 18:24	JKG	

www.encolabs.com

Description: 3001-MW18 | **Lab Sample ID:** C004340-17 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 12:05 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 18:24	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 18:24	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 18:24	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*85 %*	*51-122*	*0D21014*	*EPA 8260B*	*04/21/10 18:24*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*0D21014*	*EPA 8260B*	*04/21/10 18:24*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*0D21014*	*EPA 8260B*	*04/21/10 18:24*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-17
Sampled: 04/15/10 12:05
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:42	NLH	

www.encolabs.com

Description: 3001-MW18 | **Lab Sample ID:** C004340-17 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 12:05 | **Work Order:** C004340

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	04/20/10 12:55	JDH	
Barium [7440-39-3] ^	**11.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:55	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:55	JDH	
Chromium [7440-47-3] ^	**3.68**	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:55	JDH	
Lead [7439-92-1] ^	**2.20**	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:55	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:55	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:55	JDH	

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

www.encolabs.com

Description: 3001-SW1 | **Lab Sample ID:** C004340-18 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 17:45 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 18:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 18:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 18:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 18:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 18:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 18:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 18:53	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 18:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 18:53	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 18:53	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 18:53	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 18:53	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 18:53	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 18:53	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 18:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 18:53	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 18:53	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 18:53	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 18:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 18:53	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 18:53	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 18:53	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 18:53	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 18:53	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 18:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 18:53	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 18:53	JKG	

www.encolabs.com

Description: 3001-SW1 | **Lab Sample ID:** C004340-18 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 17:45 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 18:53	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 18:53	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 18:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*51-122*	*0D21014*	*EPA 8260B*	*04/21/10 18:53*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*0D21014*	*EPA 8260B*	*04/21/10 18:53*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*0D21014*	*EPA 8260B*	*04/21/10 18:53*	*JKG*	

www.encolabs.com

Description: 3001-SW1
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C004340-18
Sampled: 04/15/10 17:45
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:52	NLH	

www.encolabs.com

Description: 3001-SW1 | **Lab Sample ID:** C004340-18 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 17:45 | **Work Order:** C004340

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	04/20/10 12:57	JDH	
Barium [7440-39-3] ^	**21.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 12:57	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 12:57	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 12:57	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:57	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 12:57	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 12:57	JDH	

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

www.encolabs.com

Description: 3001-SW2 | **Lab Sample ID:** C004340-19 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 16:35 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 19:22	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 19:22	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 19:22	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 19:22	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 19:22	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 19:22	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 19:22	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 19:22	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 19:22	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 19:22	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 19:22	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 19:22	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 19:22	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 19:22	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 19:22	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 19:22	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 19:22	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 19:22	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 19:22	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 19:22	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 19:22	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 19:22	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 19:22	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 19:22	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 19:22	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 19:22	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 19:22	JKG	

www.encolabs.com

Description: 3001-SW2 | **Lab Sample ID:** C004340-19 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 16:35 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 19:22	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 19:22	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 19:22	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*83 %*	*51-122*	*0D21014*	*EPA 8260B*	*04/21/10 19:22*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*0D21014*	*EPA 8260B*	*04/21/10 19:22*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*0D21014*	*EPA 8260B*	*04/21/10 19:22*	*JKG*	

www.encolabs.com

Description: 3001-SW2
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C004340-19
Sampled: 04/15/10 16:35
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:55	NLH	

www.encolabs.com

Description: 3001-SW2 | **Lab Sample ID:** C004340-19 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 16:35 | **Work Order:** C004340

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	04/20/10 13:00	JDH	
Barium [7440-39-3] ^	**24.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 13:00	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 13:00	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 13:00	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 13:00	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 13:00	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 13:00	JDH	

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

www.encolabs.com

Description: 3001-SW3 | **Lab Sample ID:** C004340-20 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 16:55 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/21/10 19:52	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/21/10 19:52	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/21/10 19:52	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/21/10 19:52	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/21/10 19:52	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/21/10 19:52	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/21/10 19:52	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/21/10 19:52	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/21/10 19:52	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/21/10 19:52	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/21/10 19:52	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/21/10 19:52	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/21/10 19:52	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/21/10 19:52	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/21/10 19:52	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/21/10 19:52	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/21/10 19:52	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/21/10 19:52	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/21/10 19:52	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/21/10 19:52	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/21/10 19:52	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/21/10 19:52	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/21/10 19:52	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/21/10 19:52	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/21/10 19:52	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/21/10 19:52	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/21/10 19:52	JKG	

www.encolabs.com

Description: 3001-SW3 | **Lab Sample ID:** C004340-20 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 16:55 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/21/10 19:52	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/21/10 19:52	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/21/10 19:52	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*51-122*	*0D21014*	*EPA 8260B*	*04/21/10 19:52*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*97 %*	*68-117*	*0D21014*	*EPA 8260B*	*04/21/10 19:52*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*0D21014*	*EPA 8260B*	*04/21/10 19:52*	*JKG*	

www.encolabs.com

Description: 3001-SW3
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C004340-20
Sampled: 04/15/10 16:55
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 14:58	NLH	

www.encolabs.com

Description: 3001-SW3 | **Lab Sample ID:** C004340-20 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 16:55 | **Work Order:** C004340

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	04/20/10 13:02	JDH	
Barium [7440-39-3] ^	**59.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 13:02	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 13:02	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 13:02	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 13:02	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 13:02	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 13:02	JDH	

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

www.encolabs.com

Description: 3001-SW4 | **Lab Sample ID:** C004340-21 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 18:10 | **Work Order:** C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/20/10 21:55	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/20/10 21:55	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/20/10 21:55	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/20/10 21:55	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/10 21:55	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/20/10 21:55	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/20/10 21:55	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/20/10 21:55	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/10 21:55	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/10 21:55	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/20/10 21:55	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/20/10 21:55	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/20/10 21:55	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/20/10 21:55	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/20/10 21:55	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/20/10 21:55	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/20/10 21:55	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/20/10 21:55	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/20/10 21:55	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/20/10 21:55	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/20/10 21:55	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/20/10 21:55	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/20/10 21:55	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/20/10 21:55	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/10 21:55	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/20/10 21:55	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 21:55	JKG	

www.encolabs.com

Description: 3001-SW4 | **Lab Sample ID:** C004340-21 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 18:10 | **Work Order:** C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/20/10 21:55	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/20/10 21:55	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/20/10 21:55	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*0D20021*	*EPA 8260B*	*04/20/10 21:55*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*0D20021*	*EPA 8260B*	*04/20/10 21:55*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*0D20021*	*EPA 8260B*	*04/20/10 21:55*	*JKG*	

www.encolabs.com

Description: 3001-SW4
Matrix: Ground Water
Project: Davie County Landfill

Lab Sample ID: C004340-21
Sampled: 04/15/10 18:10
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 15:33	NLH	

www.encolabs.com

Description: 3001-SW4 | **Lab Sample ID:** C004340-21 | **Received:** 04/16/10 12:00

Matrix: Ground Water | **Sampled:** 04/15/10 18:10 | **Work Order:** C004340

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	04/21/10 13:23	JDH	
Barium [7440-39-3] ^	**23.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/21/10 13:23	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/21/10 13:23	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/21/10 13:23	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/21/10 13:23	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/21/10 13:23	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/21/10 13:23	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004340-22
Sampled: 04/15/10 07:00
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/20/10 22:24	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/20/10 22:24	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
1,1-Dichloroethane [75-34-3] ^	**5.5**		ug/L	1	0.050	1.0	5	EPA 8260B	04/20/10 22:24	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/20/10 22:24	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/10 22:24	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/20/10 22:24	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.1**		ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/20/10 22:24	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/20/10 22:24	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/10 22:24	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/10 22:24	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/20/10 22:24	JKG	
Benzene [71-43-2] ^	**1.6**		ug/L	1	0.050	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/20/10 22:24	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/20/10 22:24	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/20/10 22:24	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/20/10 22:24	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/20/10 22:24	JKG	
Chloroethane [75-00-3] ^	**2.1**	J	ug/L	1	0.18	1.0	10	EPA 8260B	04/20/10 22:24	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/20/10 22:24	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**7.0**		ug/L	1	0.075	1.0	5	EPA 8260B	04/20/10 22:24	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/20/10 22:24	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/20/10 22:24	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/20/10 22:24	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/20/10 22:24	JKG	
Methylene chloride [75-09-2] ^	**2.2**		ug/L	1	0.070	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
o-Xylene [95-47-6] ^	**0.56**	J	ug/L	1	0.088	1.0	NE	EPA 8260B	04/20/10 22:24	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Tetrachloroethene [127-18-4] ^	**2.6**		ug/L	1	0.099	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	**0.45**	J	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/10 22:24	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/20/10 22:24	JKG	
Trichloroethene [79-01-6] ^	**1.6**		ug/L	1	0.13	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Trichlorofluoromethane [75-69-4] ^	**0.83**	J	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/20/10 22:24	JKG	

www.encolabs.com

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

Lab Sample ID: C004340-22
Sampled: 04/15/10 07:00
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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 chloride [75-01-4] ^	**0.89**	J	ug/L	1	0.083	1.0	1	EPA 8260B	04/20/10 22:24	JKG	
Xylenes (Total) [1330-20-7] ^	**0.56**	J	ug/L	1	0.22	1.0	5	EPA 8260B	04/20/10 22:24	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*0D20021*	*EPA 8260B*	*04/20/10 22:24*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*99 %*	*68-117*	*0D20021*	*EPA 8260B*	*04/20/10 22:24*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*0D20021*	*EPA 8260B*	*04/20/10 22:24*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004340-22
Sampled: 04/15/10 07:00
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	04/20/10 15:36	NLH	

www.encolabs.com

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

Lab Sample ID: C004340-22
Sampled: 04/15/10 07:00
Sampled By: Gary Simcox

Received: 04/16/10 12:00
Work Order: C004340

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	04/20/10 10:56	JDH	
Barium [7440-39-3] ^	**91.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/10 10:56	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/10 10:56	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/10 10:56	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 10:56	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	04/20/10 10:56	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/10 10:56	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004340-23
Sampled: 04/14/10 09:45
Sampled By: ENCO

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	04/20/10 22:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	04/20/10 22:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	04/20/10 22:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/20/10 22:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/10 22:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	04/20/10 22:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	04/20/10 22:53	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	04/20/10 22:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/10 22:53	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/10 22:53	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	04/20/10 22:53	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	04/20/10 22:53	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	04/20/10 22:53	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	04/20/10 22:53	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	04/20/10 22:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	04/20/10 22:53	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	04/20/10 22:53	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	04/20/10 22:53	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	04/20/10 22:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	04/20/10 22:53	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	04/20/10 22:53	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	04/20/10 22:53	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.18	U	ug/L	1	0.18	2.0	NE	EPA 8260B	04/20/10 22:53	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
o-Xylene [95-47-6] ^	0.088	U	ug/L	1	0.088	1.0	NE	EPA 8260B	04/20/10 22:53	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	04/20/10 22:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	04/20/10 22:53	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/10 22:53	JKG	

www.encolabs.com

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

Lab Sample ID: C004340-23
Sampled: 04/14/10 09:45
Sampled By: ENCO

Received: 04/16/10 12:00
Work Order: C004340

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] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	04/20/10 22:53	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	04/20/10 22:53	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	04/20/10 22:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*51-122*	*0D20021*	*EPA 8260B*	*04/20/10 22:53*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*68-117*	*0D20021*	*EPA 8260B*	*04/20/10 22:53*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*0D20021*	*EPA 8260B*	*04/20/10 22:53*	*JKG*	

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 0D20021 - EPA 5030B_MS

Blank (0D20021-BLK1) Prepared: 04/20/2010 10:48 Analyzed: 04/20/2010 13:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
m,p-Xylenes	0.18	U	2.0	ug/L							
Methylene chloride	0.070	U	1.0	ug/L							
o-Xylene	0.088	U	1.0	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0D20021 - EPA 5030B_MS

Blank (0D20021-BLK1) Continued Prepared: 04/20/2010 10:48 Analyzed: 04/20/2010 13:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*99*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*69-110*			

LCS (0D20021-BS1) Prepared: 04/20/2010 10:48 Analyzed: 04/20/2010 14:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	50		1.0	ug/L	20.0		251	75-133			
Benzene	42		1.0	ug/L	20.0		211	81-134			
Chlorobenzene	39		1.0	ug/L	20.0		197	83-117			
Toluene	39		1.0	ug/L	20.0		197	71-118			
Trichloroethene	41		1.0	ug/L	20.0		203	75-115			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*87*	*69-110*			

Matrix Spike (0D20021-MS1) Prepared: 04/20/2010 10:48 Analyzed: 04/20/2010 14:34

Source: C004530-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	49		1.0	ug/L	20.0	0.15 U	246	75-133			
Benzene	42		1.0	ug/L	20.0	0.050 U	211	81-134			
Chlorobenzene	39		1.0	ug/L	20.0	0.069 U	197	83-117			
Toluene	40		1.0	ug/L	20.0	0.053 U	200	71-118			
Trichloroethene	39		1.0	ug/L	20.0	0.13 U	195	75-115			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*83*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*95*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*69-110*			

Matrix Spike Dup (0D20021-MSD1) Prepared: 04/20/2010 10:48 Analyzed: 04/20/2010 15:03

Source: C004530-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	47		1.0	ug/L	20.0	0.15 U	237	75-133	4	20	
Benzene	41		1.0	ug/L	20.0	0.050 U	206	81-134	2	17	
Chlorobenzene	39		1.0	ug/L	20.0	0.069 U	194	83-117	2	16	
Toluene	39		1.0	ug/L	20.0	0.053 U	196	71-118	2	17	
Trichloroethene	39		1.0	ug/L	20.0	0.13 U	193	75-115	1	18	
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*83*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*87*	*69-110*			

Batch 0D20026 - EPA 5030B_MS

Blank (0D20026-BLK1) Prepared: 04/20/2010 13:03 Analyzed: 04/21/2010 01:19

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0D20026 - EPA 5030B_MS

Blank (0D20026-BLK1) Continued Prepared: 04/20/2010 13:03 Analyzed: 04/21/2010 01:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
m,p-Xylenes	0.18	U	2.0	ug/L							
Methylene chloride	0.070	U	1.0	ug/L							
o-Xylene	0.088	U	1.0	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0D20026 - EPA 5030B_MS

Blank (0D20026-BLK1) Continued Prepared: 04/20/2010 13:03 Analyzed: 04/21/2010 01:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*81*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

LCS (0D20026-BS1) Prepared: 04/20/2010 13:03 Analyzed: 04/21/2010 01:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	49		1.0	ug/L	20.0		245	75-133			
Benzene	41		1.0	ug/L	20.0		206	81-134			
Chlorobenzene	38		1.0	ug/L	20.0		189	83-117			
Toluene	38		1.0	ug/L	20.0		191	71-118			
Trichloroethene	38		1.0	ug/L	20.0		191	75-115			
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*83*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*96*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

Matrix Spike (0D20026-MS1) Prepared: 04/20/2010 13:03 Analyzed: 04/21/2010 02:17

Source: C004340-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	49		1.0	ug/L	20.0	0.15 U	244	75-133			
Benzene	44		1.0	ug/L	20.0	2.0	211	81-134			
Chlorobenzene	39		1.0	ug/L	20.0	0.55	191	83-117			
Toluene	39		1.0	ug/L	20.0	0.053 U	196	71-118			
Trichloroethene	45		1.0	ug/L	20.0	5.5	197	75-115			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*93*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

Matrix Spike Dup (0D20026-MSD1) Prepared: 04/20/2010 13:03 Analyzed: 04/21/2010 02:47

Source: C004340-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	44		1.0	ug/L	20.0	0.15 U	218	75-133	11	20	
Benzene	41		1.0	ug/L	20.0	2.0	197	81-134	7	17	
Chlorobenzene	37		1.0	ug/L	20.0	0.55	184	83-117	4	16	
Toluene	38		1.0	ug/L	20.0	0.053 U	189	71-118	4	17	
Trichloroethene	43		1.0	ug/L	20.0	5.5	188	75-115	4	18	
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*69-110*			

Batch 0D21014 - EPA 5030B_MS

Blank (0D21014-BLK1) Prepared: 04/21/2010 09:53 Analyzed: 04/21/2010 15:57

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0D21014 - EPA 5030B_MS

Blank (0D21014-BLK1) Continued Prepared: 04/21/2010 09:53 Analyzed: 04/21/2010 15:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
m,p-Xylenes	0.18	U	2.0	ug/L							
Methylene chloride	0.070	U	1.0	ug/L							
o-Xylene	0.088	U	1.0	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0D21014 - EPA 5030B_MS

Blank (0D21014-BLK1) Continued Prepared: 04/21/2010 09:53 Analyzed: 04/21/2010 15:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*83*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

LCS (0D21014-BS1) Prepared: 04/21/2010 09:53 Analyzed: 04/21/2010 16:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		119	75-133			
Benzene	20		1.0	ug/L	20.0		100	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	19		1.0	ug/L	20.0		95	75-115			
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*87*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*69-110*			

Matrix Spike (0D21014-MS1) Prepared: 04/21/2010 09:53 Analyzed: 04/21/2010 16:56

Source: C004673-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.15 U	120	75-133			
Benzene	20		1.0	ug/L	20.0	0.050 U	98	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.069 U	90	83-117			
Toluene	18		1.0	ug/L	20.0	0.053 U	90	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.13 U	95	75-115			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*97*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*69-110*			

Matrix Spike Dup (0D21014-MSD1) Prepared: 04/21/2010 09:53 Analyzed: 04/21/2010 17:26

Source: C004673-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.15 U	116	75-133	4	20	
Benzene	19		1.0	ug/L	20.0	0.050 U	97	81-134	2	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.069 U	91	83-117	1	16	
Toluene	18		1.0	ug/L	20.0	0.053 U	91	71-118	0.9	17	
Trichloroethene	18		1.0	ug/L	20.0	0.13 U	92	75-115	4	18	
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*97*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0D20008 - EPA 245.1

Blank (0D20008-BLK1) Prepared: 04/20/2010 08:21 Analyzed: 04/20/2010 13:27

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0D20008 - EPA 245.1

Blank (0D20008-BLK1) Continued Prepared: 04/20/2010 08:21 Analyzed: 04/20/2010 13:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (0D20008-BS1) Prepared: 04/20/2010 08:21 Analyzed: 04/20/2010 13:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.25		0.200	ug/L	5.00		105	85-115			

Matrix Spike (0D20008-MS1) Prepared: 04/20/2010 08:21 Analyzed: 04/20/2010 13:42

Source: C004340-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.85		0.200	ug/L	5.00	0.0540 U	97	85-115			

Matrix Spike Dup (0D20008-MSD1) Prepared: 04/20/2010 08:21 Analyzed: 04/20/2010 13:45

Source: C004340-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.08		0.200	ug/L	5.00	0.0540 U	102	85-115	5	15	

Post Spike (0D20008-PS1) Prepared: 04/20/2010 08:21 Analyzed: 04/20/2010 13:48

Source: C004340-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.14		0.200	ug/L	5.00	-0.0319	83	75-125			

Batch 0D20009 - EPA 245.1

Blank (0D20009-BLK1) Prepared: 04/20/2010 08:24 Analyzed: 04/20/2010 15:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (0D20009-BS1) Prepared: 04/20/2010 08:24 Analyzed: 04/20/2010 15:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.04		0.200	ug/L	5.00		101	85-115			

Matrix Spike (0D20009-MS1) Prepared: 04/20/2010 08:24 Analyzed: 04/20/2010 15:09

Source: C003582-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.94		0.200	ug/L	5.00	0.0540 U	99	85-115			

Matrix Spike Dup (0D20009-MSD1) Prepared: 04/20/2010 08:24 Analyzed: 04/20/2010 15:12

Source: C003582-02

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0D20009 - EPA 245.1

Matrix Spike Dup (0D20009-MSD1) Continued Prepared: 04/20/2010 08:24 Analyzed: 04/20/2010 15:12

Source: C003582-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.83		0.200	ug/L	5.00	0.0540 U	97	85-115	2	15	

Post Spike (0D20009-PS1) Prepared: 04/20/2010 08:24 Analyzed: 04/20/2010 15:15

Source: C003582-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.98		0.200	ug/L	5.00	-0.0199	80	75-125			

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

Batch 0D19010 - EPA 3005A

Blank (0D19010-BLK1) Prepared: 04/19/2010 09:50 Analyzed: 04/20/2010 10:17

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 (0D19010-BS1) Prepared: 04/19/2010 09:50 Analyzed: 04/20/2010 10:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1030		10.0	ug/L	1000		103	80-120			
Barium	1000		10.0	ug/L	1000		100	80-120			
Cadmium	496		1.00	ug/L	500		99	80-120			
Chromium	1010		10.0	ug/L	1000		101	80-120			
Lead	1020		10.0	ug/L	1000		102	80-120			
Selenium	1090		10.0	ug/L	1000		109	80-120			
Silver	96.9		10.0	ug/L	100		97	80-120			

Matrix Spike (0D19010-MS1) Prepared: 04/19/2010 09:50 Analyzed: 04/20/2010 10:27

Source: C004504-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1030		10.0	ug/L	1000	2.80 U	103	75-125			
Barium	1100		10.0	ug/L	1000	90.5	101	75-125			
Cadmium	480		1.00	ug/L	500	0.360 U	96	75-125			
Chromium	1010		10.0	ug/L	1000	1.00 U	101	75-125			
Lead	998		10.0	ug/L	1000	4.74	99	75-125			
Selenium	1080		10.0	ug/L	1000	2.70 U	108	75-125			
Silver	101		10.0	ug/L	100	1.90 U	101	75-125			

QUALITY CONTROL

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

Batch 0D19010 - EPA 3005A

Matrix Spike Dup (0D19010-MSD1) Prepared: 04/19/2010 09:50 Analyzed: 04/20/2010 10:30

Source: C004504-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1060		10.0	ug/L	1000	2.80 U	106	75-125	3	20	
Barium	1140		10.0	ug/L	1000	90.5	105	75-125	4	20	
Cadmium	499		1.00	ug/L	500	0.360 U	100	75-125	4	20	
Chromium	1050		10.0	ug/L	1000	1.00 U	105	75-125	4	20	
Lead	1030		10.0	ug/L	1000	4.74	103	75-125	3	20	
Selenium	1120		10.0	ug/L	1000	2.70 U	112	75-125	3	20	
Silver	105		10.0	ug/L	100	1.90 U	105	75-125	4	20	

Post Spike (0D19010-PS1) Prepared: 04/19/2010 09:50 Analyzed: 04/20/2010 10:32

Source: C004504-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.14		0.0100	mg/L	1.00	-0.00272	114	80-120			
Barium	1.23		0.0100	mg/L	1.00	0.0905	114	80-120			
Cadmium	0.542		0.00100	mg/L	0.500	0.000193	108	80-120			
Chromium	1.14		0.0100	mg/L	1.00	2.17E-5	114	80-120			
Lead	1.10		0.0100	mg/L	1.00	0.00474	109	80-120			
Selenium	1.19		0.0100	mg/L	1.00	-0.00528	120	80-120			
Silver	0.102		0.0100	mg/L	0.100	0.00179	100	80-120			

Batch 0D19015 - EPA 3005A

Blank (0D19015-BLK1) Prepared: 04/19/2010 10:15 Analyzed: 04/20/2010 11:37

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 (0D19015-BS1) Prepared: 04/19/2010 10:15 Analyzed: 04/20/2010 11:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1020		10.0	ug/L	1000		102	80-120			
Barium	1010		10.0	ug/L	1000		101	80-120			
Cadmium	500		1.00	ug/L	500		100	80-120			
Chromium	1020		10.0	ug/L	1000		102	80-120			
Lead	1010		10.0	ug/L	1000		101	80-120			
Selenium	1070		10.0	ug/L	1000		107	80-120			
Silver	98.9		10.0	ug/L	100		99	80-120			

Matrix Spike (0D19015-MS1) Prepared: 04/19/2010 10:15 Analyzed: 04/20/2010 11:55

Source: C004340-01

QUALITY CONTROL

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

Batch 0D19015 - EPA 3005A

Matrix Spike (0D19015-MS1) Continued Prepared: 04/19/2010 10:15 Analyzed: 04/20/2010 11:55

Source: C004340-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1090		10.0	ug/L	1000	2.80 U	109	75-125			
Barium	1360		10.0	ug/L	1000	319	104	75-125			
Cadmium	496		1.00	ug/L	500	0.360 U	99	75-125			
Chromium	1040		10.0	ug/L	1000	1.00 U	104	75-125			
Lead	1040		10.0	ug/L	1000	1.90 U	104	75-125			
Selenium	1150		10.0	ug/L	1000	2.70 U	115	75-125			
Silver	105		10.0	ug/L	100	2.41	103	75-125			

Matrix Spike Dup (0D19015-MSD1) Prepared: 04/19/2010 10:15 Analyzed: 04/20/2010 11:58

Source: C004340-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000	2.80 U	105	75-125	3	20	
Barium	1380		10.0	ug/L	1000	319	107	75-125	2	20	
Cadmium	503		1.00	ug/L	500	0.360 U	101	75-125	1	20	
Chromium	1050		10.0	ug/L	1000	1.00 U	105	75-125	1	20	
Lead	1010		10.0	ug/L	1000	1.90 U	101	75-125	3	20	
Selenium	1110		10.0	ug/L	1000	2.70 U	111	75-125	3	20	
Silver	107		10.0	ug/L	100	2.41	105	75-125	2	20	

Post Spike (0D19015-PS1) Prepared: 04/19/2010 10:15 Analyzed: 04/20/2010 12:01

Source: C004340-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.15		0.0100	mg/L	1.00	-0.00340	116	80-120			
Barium	1.43		0.0100	mg/L	1.00	0.319	111	80-120			
Cadmium	0.533		0.00100	mg/L	0.500	1.47E-5	107	80-120			
Chromium	1.10		0.0100	mg/L	1.00	-0.000395	110	80-120			
Lead	1.10		0.0100	mg/L	1.00	0.000953	110	80-120			
Selenium	1.22		0.0100	mg/L	1.00	-0.00193	122	80-120			QM-08
Silver	0.0986		0.0100	mg/L	0.100	0.00241	96	80-120			

Batch 0D19026 - EPA 3005A

Blank (0D19026-BLK1) Prepared: 04/19/2010 13:04 Analyzed: 04/21/2010 12:06

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 (0D19026-BS1) Prepared: 04/19/2010 13:04 Analyzed: 04/21/2010 12:09

QUALITY CONTROL

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

Batch 0D19026 - EPA 3005A

LCS (0D19026-BS1) Continued Prepared: 04/19/2010 13:04 Analyzed: 04/21/2010 12:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000		105	80-120			
Barium	993		10.0	ug/L	1000		99	80-120			
Cadmium	497		1.00	ug/L	500		99	80-120			
Chromium	995		10.0	ug/L	1000		99	80-120			
Lead	1040		10.0	ug/L	1000		104	80-120			
Selenium	1090		10.0	ug/L	1000		109	80-120			
Silver	95.5		10.0	ug/L	100		96	80-120			

Matrix Spike (0D19026-MS1) Prepared: 04/19/2010 13:04 Analyzed: 04/21/2010 12:17

Source: C003582-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1000		10.0	ug/L	1000	13.3	99	75-125			
Barium	1120		10.0	ug/L	1000	91.2	103	75-125			
Cadmium	506		1.00	ug/L	500	0.360 U	101	75-125			
Chromium	1020		10.0	ug/L	1000	1.00 U	102	75-125			
Lead	985		10.0	ug/L	1000	6.91	98	75-125			
Selenium	1050		10.0	ug/L	1000	24.0	103	75-125			
Silver	107		10.0	ug/L	100	8.02	99	75-125			

Matrix Spike Dup (0D19026-MSD1) Prepared: 04/19/2010 13:04 Analyzed: 04/21/2010 12:20

Source: C003582-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	966		10.0	ug/L	1000	13.3	95	75-125	4	20	
Barium	1070		10.0	ug/L	1000	91.2	98	75-125	5	20	
Cadmium	483		1.00	ug/L	500	0.360 U	97	75-125	5	20	
Chromium	969		10.0	ug/L	1000	1.00 U	97	75-125	5	20	
Lead	948		10.0	ug/L	1000	6.91	94	75-125	4	20	
Selenium	1020		10.0	ug/L	1000	24.0	100	75-125	3	20	
Silver	103		10.0	ug/L	100	8.02	95	75-125	4	20	

Post Spike (0D19026-PS1) Prepared: 04/19/2010 13:04 Analyzed: 04/21/2010 12:23

Source: C003582-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.11		0.0100	mg/L	1.00	0.0133	110	80-120			
Barium	1.21		0.0100	mg/L	1.00	0.0912	111	80-120			
Cadmium	0.548		0.00100	mg/L	0.500	-0.00154	110	80-120			
Chromium	1.10		0.0100	mg/L	1.00	-0.00259	111	80-120			
Lead	1.09		0.0100	mg/L	1.00	0.00691	108	80-120			
Selenium	1.17		0.0100	mg/L	1.00	0.0240	115	80-120			
Silver	0.103		0.0100	mg/L	0.100	0.00802	95	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.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).

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

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: Beth Brown
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Facility # (if required)

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: C004340

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	4/14/10	1705	G	GW	7	X	X	X								
	3001-MW2	4/14/10	1605	G	GW	4	X	X	X								
	3001-MW3	4/14/10	1035	G	GW	4	X	X	X								
	3001-MW4	4/14/10	0945	G	GW	4	X	X	X								
	3001-MW5	4/14/10	1425	G	GW	4	X	X	X								
	3001-MW6	4/14/10	1300	G	GW	4	X	X	X								
	3001-MW7	4/14/10	1210	G	GW	4	X	X	X								
	3001-MW8	4/14/10	1445	G	GW	4	X	X	X								
	3001-MW9	4/14/10	1350	G	GW	4	X	X	X								
	3001-MW10	4/15/10	1520	G	GW	4	X	X	X								
	~~3001-MW11~~				~~GW~~	~~4~~	~~X~~	~~X~~	~~X~~								
	3001-MW12	4/15/10	1720	G	GW	4	X	X	X								

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	4/12/10	[signature]	4/16/10 0900	B.W.	4/16/10 10:30
Comments		Relinquished By: B.W.	Date/Time: 4/16/10 12:20	Received By: Briana Gregory	Date/Time: 4/16/10 12:00
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-31 1.1°C C-110 1.4°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil 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

www.encolabs.com

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

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: Beth Brown
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Facility # (if required)

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C004340

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Cd,Cr,Pb,Se	Hg								Sample Comments
	~~3001-MW13~~				~~GW~~	~~4~~	~~X~~	~~X~~	~~X~~								
	3001-MW14	4/14/10	1125	G	GW	4	X	X	X								
	3001-MW15	4/15/10	1125	G	GW	4	X	X	X								
	3001-MW16S	4/15/10	1020	G	GW	4	X	X	X								
	3001-MW16D	4/15/10	0950	G	GW	4	X	X	X								
	3001-MW17	4/15/10	1250	G	GW	4	X	X	X								
	3001-MW18	4/15/10	1205	G	GW	4	X	X	X								
	3001-SW1	4/15/10	1745	G	SW	4	X	X	X								
	3001-SW2	4/15/10	1635	G	SW	4	X	X	X								
	3001-SW3	4/15/10	1655	G	SW	4	X	X	X								
	3001-SW4	4/15/10	18:10	G	SW	4	X	X	X								
	3001-DUP	4/15/10	0700	G	GW	4	X	X	X								

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	4/12/10	[signature]	4/16/10 0900	[signature]	4/16/10 10:30
Comments: Sample time for SW1 taken from container BJG 4/16/10		Relinquished By: [signature]	4/16/10 12:00	Received By: Briana Gregory	4/16/10 12:00
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-31 1.1°C C-110 1.4°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil 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

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

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: Beth Brown
Sampler(s) Name, Affiliation (Print):	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

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: C004340

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-TRIPBLANK				WA	2	X										

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	4/12/10	[signature]	4/16/10 0900	[signature]	4/16/10 10:30
Comments		Relinquished By	Date/Time	Received By: Buana Gregory	Date/Time: 4/16/10 12:00
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-31 1.1°C; C-110 1.4°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil 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

www.encolabs.com