Environmental Compliance and Remediation

Babb & Associates, P.A.

November 7, 2014

Ms. Jackie Drummond, Hydrogeologist
NC Solid Waste Section
Mail Service Center 1646
Raleigh, North Carolina 27699-1646

Re: 2014 Second Semi-Annual Monitoring Report
City of Lexington Closed Landfill
Lexington, North Carolina
Permit #29-03

Dear Jackie:

Please find attached information regarding the groundwater and surface water samples collected during the 2014 second semi-annual sampling event conducted at the City of Lexington Closed Landfill in Lexington, North Carolina. This sampling event was conducted on October 20-21, 2014. Please find attached a potentiometric map identifying well locations (Figure 1), an updated total volatile organic compound isoconcentration map (Figure 2), and tables summarizing groundwater and surface water laboratory analytical results. Results of the field parameters and groundwater elevations are provided on Table 4. The laboratory analytical report is provided in both adobe acrobat and Excel EDD format.

If you have any questions or require additional information, please contact me at (919) 325-0696.

Respectfully,

Babb & Associates, P.A.

Gary D. Babb

Gary D. Babb, P.G.
President

Attachments

cc: Mr. Roger Spach
City of Lexington

P.O. Box 37697
Raleigh, NC 27627
(919) 325-0696

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):

Babb & Associates, P.A.

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

Name: Gary D. Babb, P.G. Phone: (919) 325-0696

E-mail: gdbabb@gmail.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
City of Lexington Closed Landfill	State Road 2001 Lexington, NC	29-03	.0500	October 20-21, 2014

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.

Gary D. Babb — Licensed Geologist — (919) 325-0696

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

Gary D. Babb — November 7, 2014 — Affix NC Licensed/ Professional Geologist Seal

Signature — Date

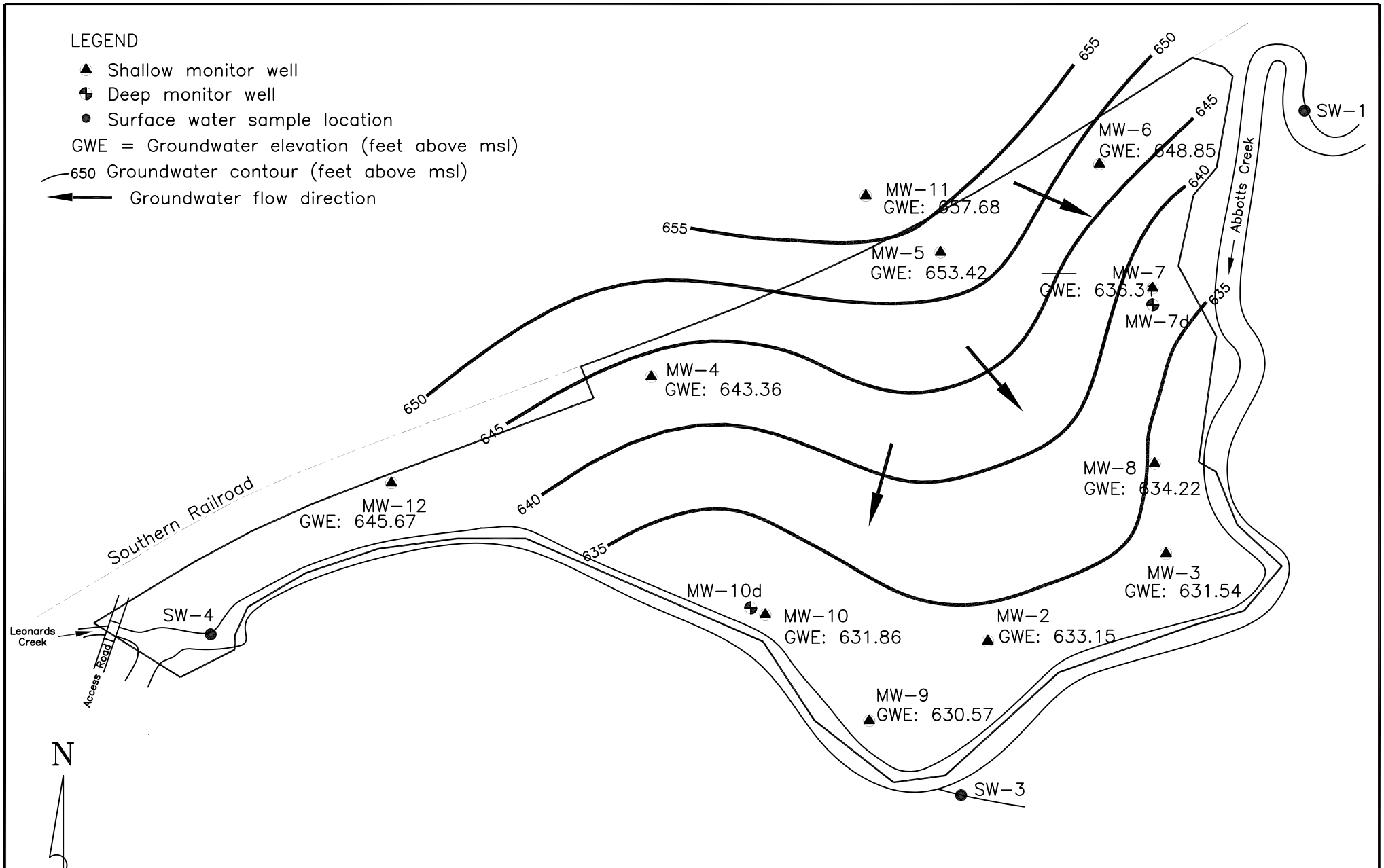
Babb & Associates, P.A., PO Box 37697, Raleigh, NC 27627

Facility Representative Address

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

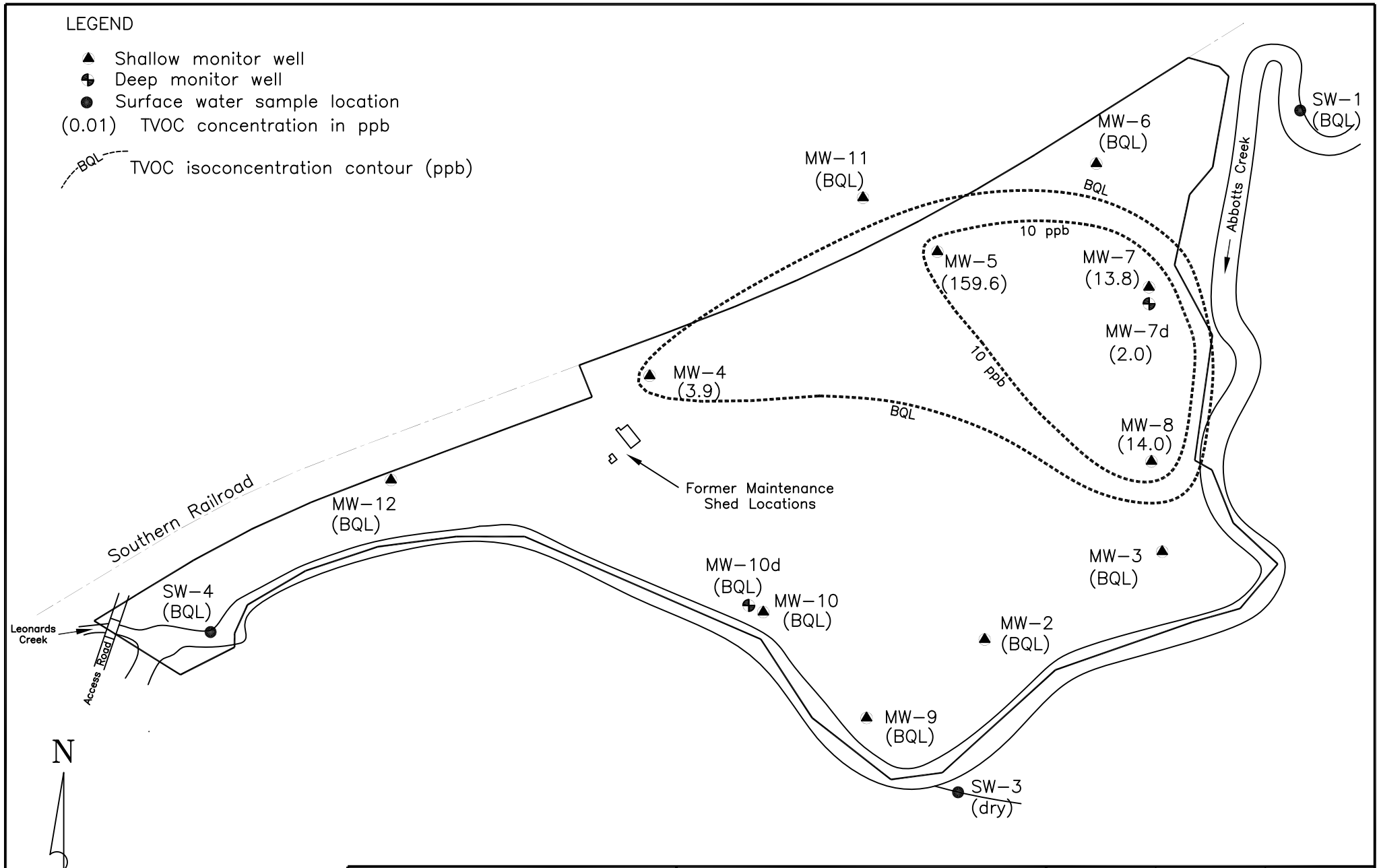
NORTH CAROLINA LICENSED SEAL 488 GEOLOGIST GARY D. BABB

Revised 6/2009



Babb & Associates, P.A.

TITLE:	FIGURE NO:	SCALE:	PROJECT NO:
POTENTIOMETRIC MAP October 2014 Monitoring Event City of Lexington Closed Landfill State Road 2001 Lexington, North Carolina	Figure 1	1"=400'	LL
	CHECKED BY:	DRAWN BY:	DATE:
		GDB	10/21/14



Babb & Associates, P.A.

TITLE:	FIGURE NO:	SCALE:	PROJECT NO:
TVOC ISOCONCENTRATION MAP October 2014 Monitoring Event City of Lexington Closed Landfill State Road 2001 Lexington, North Carolina	Figure 2	1"=400'	
	CHECKED BY:	DRAWN BY: GDB	DATE: 10/21/14

TABLE 1
2014 Second Semi-Annual Groundwater Monitoring Well Laboratory Analytical Results
City of Lexington Closed Landfill
Lexington, North Carolina
Permit #29-03

Inorganic Parameters

Parameter	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-7d	MW-8	MW-9	MW-10	MW-10d	MW-11	MW-12	2L Std.
Metals (ug/l)														
Barium	**122.0**	**306.0**	25.5 J	19.9 J	32.1	60.2 J	26.2 J	91.3 J	38.6 J	BQL	15.1 J	61.5 J	**128.0**	700
Beryllium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NE
Cadmium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.555 J	BQL	BQL	BQL	BQL	BQL	2
Chromium	BQL	BQL	2.99 J	BQL	BQL	3.11 J	BQL	BQL	BQL	BQL	BQL	1.63 J	BQL	10
Cobalt	8.21 J	**14.8**	**13.6**	**73.8**	BQL	6.91 J	BQL	3.23 J	BQL	BQL	BQL	2.16 J	2.09 J	NE
Copper	BQL	BQL	BQL	BQL	1.83 J	BQL	BQL	3.69 J	BQL	BQL	2.02 J	5.31 J	BQL	1000
Lead	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	15
Nickel	BQL	4.17 J	8.40 J	1.91 J	BQL	3.48 J	1.95 J	2.15 J	BQL	BQL	BQL	BQL	4.12 J	100
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.64 J	20
Silver	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	20
Vanadium	2.81 J	BQL	BQL	BQL	3.69 J	6.72 J	2.94 J	BQL	BQL	6.44 J	10.2 J	9.06 J	26.3	NE
Zinc	7.08 J	5.64 J	4.54 J	6.28 J	9.10 J	4.54 J	6.37 J	**10.6**	**17.9**	7.14 J	4.70 J	**14.9**	4.86 J	1000

Notes:
Samples collected on October 21, 2014
BQL - below laboratory quantitation limit.
Bold concentrations equal or exceed laboratory quantitation limit.
Shaded concentrations equal or exceed established or interim standards.
J - Between MDL and RL
B - Amount in Prep Blank > MDL
NS - Not Sampled

TABLE 2
2014 Second Semi-Annual Groundwater Monitoring Well Laboratory Analytical Results
City of Lexington Closed Landfill
Lexington, North Carolina
Permit #29-03

Volatile Organic Parameters

Parameter	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-7d	MW-8	MW-9	MW-10	MW-10d	MW-11	MW-12	2L Std.
Method 8260B (ug/l)														
Acetone	BQL	13.0 J	BQL	**150**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	6,000
Benzene	BQL	BQL	0.46 J	**1.2**	BQL	0.40 J	BQL	0.79 J	BQL	BQL	BQL	BQL	BQL	1
Chlorobenzene	1.6 J	BQL	0.95 J	1.6 J	BQL	**3.8**	0.65 J	**14.0**	BQL	BQL	BQL	BQL	BQL	50
Chloroethane	BQL	BQL	BQL	BQL	BQL	0.69 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3,000
Chloroform	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.63 J	BQL	70
1,4-Dichlorobenzene	BQL	BQL	**3.9**	**8.4**	BQL	**11.0**	**2.0**	BQL	BQL	BQL	BQL	BQL	BQL	6
1,1-Dichloroethane	BQL	BQL	BQL	1.7 J	BQL	1.6 J	2.3 J	BQL	BQL	BQL	BQL	BQL	BQL	6
cis-1,2-Dichloroethene	BQL	BQL	2.1 J	4.2 J	BQL	3.4 J	0.59 J	BQL	0.50 J	2.8 J	1.9 J	BQL	BQL	70
Toluene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.96 J	BQL	600
Vinyl chloride	BQL	BQL	BQL	0.96 J	BQL	0.61 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.03
Xylenes (total)	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	500

Notes:
Samples collected on October 21, 2014
BQL - below laboratory quantitation limit.
Bold concentrations equal or exceed laboratory quantitation limit.
Shaded concentrations equal or exceed established or interim standards.
J - Between MDL and RL
B - Amount in Prep Blank > MDL
NS - Not Sampled

Table 3

2014 Second Semi-Annual Surface Water Laboratory Analytical Results
City of Lexington Closed Landfill
Lexington, North Carolina
Permit #29-03

Parameter	SW-1	SW-4	2B Std.
App. I Metals (ug/l)			
Barium	46.8 J	34.7 J	1000
Cobalt	2.05 J	BQL	NE
Copper	2.02 J	4.07 J	7
Nickel	5.41 J	3.42 J	NE
Vanadium	BQL	2.22 J	NE
Zinc	7.39 J	8.48 J	50
Method 8260B (ug/l)	BQL	BQL	

Notes:
Samples collected on October 21, 2014
BQL - below laboratory quantitation limit.
Bold concentrations equal or exceed laboratory quantitation limit.
J - Between MDL and RL
B - Amount in Prep Blank > MDL
NE - Not Established
Shaded concentrations equal or exceed established or interim standards.

TABLE 4
2014 Second Semi-Annual Field Parameters
City of Lexington Closed Landfill
Lexington, North Carolina
Permit #29-03

Field Parameters

Monitoring Well	Sample Date	Depth to GW	GW Elevation	Sample Time	Conductivity	Temperature - C	pH
MW-2	10/21/2014	32.27	633.15	1049	41	14.0	5.8
MW-3	10/21/2014	22.93	631.54	1037	131	13.2	6.0
MW-4	10/21/2014	48.62	643.36	837	14	13.8	6.2
MW-5	10/21/2014	37.07	653.42	853	137	13.9	6.3
MW-6	10/21/2014	10.66	648.85	936	90	12.5	6.1
MW-7	10/21/2014	41.49	636.31	1007	68	12.6	5.9
MW-7d	10/21/2014	42.85	635.11	1016	51	12.8	5.9
MW-8	10/21/2014	27.10	634.22	1027	67	12.8	5.8
MW-9	10/21/2014	8.05	630.57	1109	24	14.8	5.9
MW-10	10/21/2014	8.71	631.86	1118	202	15.3	6.0
MW-10d	10/21/2014	9.96	631.67	1125	80	15.7	5.9
MW-11	10/21/2014	28.03	657.68	920	31	11.7	5.8
MW-12	10/21/2014	22.16	645.67	827	394	15.1	5.9
SW-1	10/21/2014	NA	NA	950	16	11.5	6.2
SW-4	10/21/2014	NA	NA	1146	26	14.1	2.8

NA = Not Applicable

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

Wednesday, November 5, 2014

Babb & Associates (BA024)

Attn: Gary Babb

3605 Country Cove Lane

Raleigh, NC 27606

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: City of Lexington Closed Landfill
ENCO Workorder(s): C413533

Dear Gary Babb,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, October 22, 2014.

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,

Bill Scott

Bill Scott

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 67.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 2903-MW2 **Lab ID: C413533-01** **Sampled: 10/21/14 10:49** **Received: 10/22/14 09:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 10:32
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 11:59
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 06:28

Client ID: 2903-MW3 **Lab ID: C413533-02** **Sampled: 10/21/14 10:37** **Received: 10/22/14 09:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 10:59
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 13:25
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 06:58

Client ID: 2903-MW4 **Lab ID: C413533-03** **Sampled: 10/21/14 08:37** **Received: 10/22/14 09:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:02
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:03
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 07:28

Client ID: 2903-MW5 **Lab ID: C413533-04** **Sampled: 10/21/14 08:53** **Received: 10/22/14 09:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:04
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:07
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 07:58

Client ID: 2903-MW6 **Lab ID: C413533-05** **Sampled: 10/21/14 09:36** **Received: 10/22/14 09:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:07
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:19
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 08:28

Client ID: 2903-MW7 **Lab ID: C413533-06** **Sampled: 10/21/14 10:07** **Received: 10/22/14 09:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:09
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:23
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 08:58

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Client ID: 2903-MW7d	Lab ID: C413533-07	Sampled: 10/21/14 10:16	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:12
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:27
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 09:28

Client ID: 2903-MW8	Lab ID: C413533-08	Sampled: 10/21/14 10:27	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:15
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:30

Client ID: 2903-MW8	Lab ID: C413533-08RE1	Sampled: 10/21/14 10:27	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/04/14	10/29/14 12:42	11/2/2014 23:01

Client ID: 2903-MW9	Lab ID: C413533-09	Sampled: 10/21/14 11:09	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:17
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:34
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 10:29

Client ID: 2903-MW10	Lab ID: C413533-10	Sampled: 10/21/14 11:18	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:36
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:38
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 10:59

Client ID: 2903-MW10d	Lab ID: C413533-11	Sampled: 10/21/14 11:25	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:38
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:41
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 11:30

Client ID: 2903-MW11	Lab ID: C413533-12	Sampled: 10/21/14 09:20	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:41
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:45
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 12:01

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Client ID: 2903-MW12	Lab ID: C413533-13	Sampled: 10/21/14 08:27	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:43
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:49

Client ID: 2903-MW12	Lab ID: C413533-13RE1	Sampled: 10/21/14 08:27	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/04/14	10/30/14 15:15	10/30/2014 20:02

Client ID: 2903-SW1	Lab ID: C413533-14	Sampled: 10/21/14 09:50	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:46
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 12:52
EPA 8260B	11/04/14	10/29/14 12:42	11/2/2014 23:31

Client ID: 2903-SW4	Lab ID: C413533-15	Sampled: 10/21/14 11:46	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/19/15	10/23/14 11:13	10/28/2014 11:48
EPA 6020A	04/19/15	10/23/14 11:11	10/29/2014 13:06

Client ID: 2903-SW4	Lab ID: C413533-15RE1	Sampled: 10/21/14 11:46	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/04/14	10/29/14 12:42	10/30/2014 20:33

Client ID: 2903-Tripblank	Lab ID: C413533-16	Sampled: 10/21/14 08:27	Received: 10/22/14 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/04/14	10/27/14 17:12	10/29/2014 23:51

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 2903-MW2 **Lab ID: C413533-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	122		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	1.6	J	1	0.17	1.0	3	ug/L	EPA 8260B	
Cobalt - Total	8.21	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	2.81	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	7.08	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW3 **Lab ID: C413533-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	13	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	306		1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	14.8		1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	4.17	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	5.64	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW4 **Lab ID: C413533-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	3.9		1	0.19	1.0	1	ug/L	EPA 8260B	
Barium - Total	25.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.46	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.95	J	1	0.17	1.0	3	ug/L	EPA 8260B	
Chromium - Total	2.99	J	1	1.40	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	2.1	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	13.6		1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	8.40	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	4.54	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW5 **Lab ID: C413533-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.7	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	8.4		1	0.19	1.0	1	ug/L	EPA 8260B	
Acetone	150		1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	19.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.2		1	0.15	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	1.6	J	1	0.17	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	3.1	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	73.8		1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	1.91	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vinyl chloride	0.96	J	1	0.32	1.0	1	ug/L	EPA 8260B	
Zinc - Total	6.28	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW6 **Lab ID: C413533-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	32.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	1.83	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	3.69	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	9.10	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW7 **Lab ID: C413533-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.6	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	11		1	0.19	1.0	1	ug/L	EPA 8260B	
Barium - Total	60.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.40	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	3.8		1	0.17	1.0	3	ug/L	EPA 8260B	
Chloroethane	0.69	J	1	0.23	1.0	10	ug/L	EPA 8260B	
Chromium - Total	3.11	J	1	1.40	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	3.4	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	6.91	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	3.48	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	6.72	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	0.61	J	1	0.32	1.0	1	ug/L	EPA 8260B	
Zinc - Total	4.54	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW7d **Lab ID: C413533-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.3	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.0		1	0.19	1.0	1	ug/L	EPA 8260B	
Barium - Total	26.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.65	J	1	0.17	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.59	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Nickel - Total	1.95	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	2.94	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	6.37	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW8 **Lab ID: C413533-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	91.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.555	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Cobalt - Total	3.23	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.69	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.15	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	10.6		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW8 **Lab ID: C413533-08RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Benzene	0.79	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	14		1	0.17	1.0	3	ug/L	EPA 8260B	

Client ID: 2903-MW9 **Lab ID: C413533-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	38.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.50	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Zinc - Total	17.9		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW10 **Lab ID: C413533-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	226		1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	2.8	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	2.39	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	1.61	J	1	1.60	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW10 **Lab ID: C413533-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Vanadium - Total	6.44	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	7.14	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW10d **Lab ID: C413533-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	15.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	1.9	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Copper - Total	2.02	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	10.2	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.70	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW11 **Lab ID: C413533-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	61.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloroform	0.64	J	1	0.18	1.0	5	ug/L	EPA 8260B	
Chromium - Total	1.63	J	1	1.40	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	2.16	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	5.31	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Toluene	0.96	J	1	0.14	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	9.06	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	14.9		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-MW12 **Lab ID: C413533-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	128		1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	2.09	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	4.12	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	1.64	J	1	0.910	3.00	10	ug/L	EPA 6020A	
Vanadium - Total	26.3		1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.86	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-SW1 **Lab ID: C413533-14**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	46.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	2.05	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.02	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	5.41	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	7.39	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 2903-SW4 **Lab ID: C413533-15**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	34.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	4.07	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	3.42	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	2.22	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	8.48	J	1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 2903-MW2 | **Lab Sample ID:** C413533-01 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:49 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 06:28	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 06:28	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 06:28	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 06:28	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 06:28	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 06:28	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 06:28	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 06:28	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 06:28	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 06:28	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 06:28	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 06:28	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 06:28	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 06:28	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 06:28	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Chlorobenzene [108-90-7] ^	**1.6**	J	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 06:28	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 06:28	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 06:28	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 06:28	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 06:28	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 06:28	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 06:28	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 06:28	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 06:28	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 06:28	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	

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Description: 2903-MW2 | **Lab Sample ID:** C413533-01 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:49 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 06:28	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 06:28	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 06:28	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 06:28	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*75 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 06:28*	*MSZ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 06:28*	*MSZ*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 06:28*	*MSZ*	

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Description: 2903-MW2 | **Lab Sample ID:** C413533-01 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:49 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 11:59	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 10:32	JDH	
Barium [7440-39-3] ^	**122**		ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 10:32	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 10:32	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 10:32	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 10:32	JDH	
Cobalt [7440-48-4] ^	**8.21**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 10:32	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 10:32	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 10:32	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 10:32	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 11:59	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 10:32	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 11:59	VLO	
Vanadium [7440-62-2] ^	**2.81**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 10:32	JDH	
Zinc [7440-66-6] ^	**7.08**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 10:32	JDH	

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

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Description: 2903-MW3 | **Lab Sample ID:** C413533-02 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:37 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 06:58	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 06:58	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 06:58	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 06:58	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 06:58	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 06:58	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 06:58	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 06:58	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 06:58	MSZ	
Acetone [67-64-1] ^	**13**	J	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 06:58	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 06:58	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 06:58	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 06:58	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 06:58	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 06:58	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 06:58	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 06:58	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 06:58	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 06:58	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 06:58	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 06:58	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 06:58	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 06:58	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 06:58	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 06:58	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 06:58	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	

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Description: 2903-MW3 | **Lab Sample ID:** C413533-02 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:37 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 06:58	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 06:58	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 06:58	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*76 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 06:58*	*MSZ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 06:58*	*MSZ*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 06:58*	*MSZ*	

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Description: 2903-MW3 | **Lab Sample ID:** C413533-02 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:37 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 13:25	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 10:59	JDH	
Barium [7440-39-3] ^	**306**		ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 10:59	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 10:59	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 10:59	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 10:59	JDH	
Cobalt [7440-48-4] ^	**14.8**		ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 10:59	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 10:59	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 10:59	JDH	
Nickel [7440-02-0] ^	**4.17**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 10:59	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 13:25	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 10:59	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 13:25	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 10:59	JDH	
Zinc [7440-66-6] ^	**5.64**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 10:59	JDH	

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

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Description: 2903-MW4 | **Lab Sample ID:** C413533-03 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:37 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 07:28	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 07:28	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 07:28	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 07:28	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 07:28	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 07:28	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	**3.9**		ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 07:28	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 07:28	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 07:28	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 07:28	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 07:28	MSZ	
Benzene [71-43-2] ^	**0.46**	J	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 07:28	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 07:28	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 07:28	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 07:28	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Chlorobenzene [108-90-7] ^	**0.95**	J	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 07:28	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 07:28	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 07:28	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	**2.1**	J	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 07:28	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 07:28	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 07:28	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 07:28	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 07:28	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 07:28	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 07:28	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 07:28	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	

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Description: 2903-MW4 | **Lab Sample ID:** C413533-03 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:37 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 07:28	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 07:28	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 07:28	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*74 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 07:28*	*MSZ*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 07:28*	*MSZ*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 07:28*	*MSZ*	

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Description: 2903-MW4 | **Lab Sample ID:** C413533-03 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:37 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:03	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:02	JDH	
Barium [7440-39-3] ^	**25.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:02	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:02	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:02	JDH	
Chromium [7440-47-3] ^	**2.99**	J	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:02	JDH	
Cobalt [7440-48-4] ^	**13.6**		ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:02	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:02	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:02	JDH	
Nickel [7440-02-0] ^	**8.40**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:02	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:03	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:02	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:03	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:02	JDH	
Zinc [7440-66-6] ^	**4.54**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:02	JDH	

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

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Description: 2903-MW5 | **Lab Sample ID:** C413533-04 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:53 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 07:58	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 07:58	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
1,1-Dichloroethane [75-34-3] ^	**1.7**	J	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 07:58	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 07:58	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 07:58	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 07:58	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	**8.4**		ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 07:58	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 07:58	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 07:58	MSZ	
Acetone [67-64-1] ^	**150**		ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 07:58	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 07:58	MSZ	
Benzene [71-43-2] ^	**1.2**		ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 07:58	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 07:58	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 07:58	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 07:58	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Chlorobenzene [108-90-7] ^	**1.6**	J	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 07:58	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 07:58	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 07:58	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	**3.1**	J	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 07:58	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 07:58	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 07:58	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 07:58	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 07:58	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 07:58	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 07:58	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 07:58	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	

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Description: 2903-MW5 | **Lab Sample ID:** C413533-04 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:53 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 07:58	MSZ	
Vinyl chloride [75-01-4] ^	**0.96**	J	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 07:58	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 07:58	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*75 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 07:58*	*MSZ*	
Dibromofluoromethane	*45*	*1*	*50.0*	*91 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 07:58*	*MSZ*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 07:58*	*MSZ*	

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Description: 2903-MW5 | **Lab Sample ID:** C413533-04 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:53 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:07	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:04	JDH	
Barium [7440-39-3] ^	**19.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:04	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:04	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:04	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:04	JDH	
Cobalt [7440-48-4] ^	**73.8**		ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:04	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:04	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:04	JDH	
Nickel [7440-02-0] ^	**1.91**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:04	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:07	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:04	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:07	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:04	JDH	
Zinc [7440-66-6] ^	**6.28**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:04	JDH	

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

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Description: 2903-MW6 | **Lab Sample ID:** C413533-05 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 09:36 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 08:28	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 08:28	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 08:28	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 08:28	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 08:28	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 08:28	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 08:28	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 08:28	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 08:28	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 08:28	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 08:28	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 08:28	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 08:28	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 08:28	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 08:28	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 08:28	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 08:28	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 08:28	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 08:28	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 08:28	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 08:28	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 08:28	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 08:28	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 08:28	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 08:28	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 08:28	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	

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Description: 2903-MW6 | **Lab Sample ID:** C413533-05 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 09:36 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 08:28	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 08:28	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 08:28	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*73 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 08:28*	*MSZ*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 08:28*	*MSZ*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 08:28*	*MSZ*	

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Description: 2903-MW6 | **Lab Sample ID:** C413533-05 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 09:36 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:19	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:07	JDH	
Barium [7440-39-3] ^	**32.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:07	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:07	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:07	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:07	JDH	
Copper [7440-50-8] ^	**1.83**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:07	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:07	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:07	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:19	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:07	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:19	VLO	
Vanadium [7440-62-2] ^	**3.69**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:07	JDH	
Zinc [7440-66-6] ^	**9.10**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:07	JDH	

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

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Description: 2903-MW7 | **Lab Sample ID:** C413533-06 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:07 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 08:58	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 08:58	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
1,1-Dichloroethane [75-34-3] ^	**1.6**	J	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 08:58	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 08:58	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 08:58	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 08:58	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	**11**		ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 08:58	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 08:58	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 08:58	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 08:58	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 08:58	MSZ	
Benzene [71-43-2] ^	**0.40**	J	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 08:58	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 08:58	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 08:58	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 08:58	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Chlorobenzene [108-90-7] ^	**3.8**		ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 08:58	MSZ	
Chloroethane [75-00-3] ^	**0.69**	J	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 08:58	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 08:58	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	**3.4**	J	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 08:58	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 08:58	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 08:58	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 08:58	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 08:58	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 08:58	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 08:58	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 08:58	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	

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Description: 2903-MW7 | **Lab Sample ID:** C413533-06 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:07 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 08:58	MSZ	
Vinyl chloride [75-01-4] ^	**0.61**	J	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 08:58	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 08:58	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*75 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 08:58*	*MSZ*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 08:58*	*MSZ*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 08:58*	*MSZ*	

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Description: 2903-MW7 | **Lab Sample ID:** C413533-06 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:07 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:23	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:09	JDH	
Barium [7440-39-3] ^	**60.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:09	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:09	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:09	JDH	
Chromium [7440-47-3] ^	**3.11**	J	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:09	JDH	
Cobalt [7440-48-4] ^	**6.91**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:09	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:09	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:09	JDH	
Nickel [7440-02-0] ^	**3.48**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:09	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:23	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:09	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:23	VLO	
Vanadium [7440-62-2] ^	**6.72**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:09	JDH	
Zinc [7440-66-6] ^	**4.54**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:09	JDH	

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

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Description: 2903-MW7d
Matrix: Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-07
Sampled: 10/21/14 10:16
Sampled By: Jason Jomp

Received: 10/22/14 09:30
Work Order: C413533

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 09:28	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 09:28	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
1,1-Dichloroethane [75-34-3] ^	**2.3**	J	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 09:28	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 09:28	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 09:28	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 09:28	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	**2.0**		ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 09:28	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 09:28	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 09:28	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 09:28	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 09:28	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 09:28	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 09:28	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 09:28	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 09:28	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Chlorobenzene [108-90-7] ^	**0.65**	J	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 09:28	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 09:28	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 09:28	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	**0.59**	J	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 09:28	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 09:28	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 09:28	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 09:28	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 09:28	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 09:28	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 09:28	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 09:28	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	

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Description: 2903-MW7d
Matrix: Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-07
Sampled: 10/21/14 10:16
Sampled By: Jason Jomp

Received: 10/22/14 09:30
Work Order: C413533

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 09:28	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 09:28	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 09:28	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*77 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 09:28*	*MSZ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 09:28*	*MSZ*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 09:28*	*MSZ*	

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Description: 2903-MW7d
Matrix: Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-07
Sampled: 10/21/14 10:16
Sampled By: Jason Jomp

Received: 10/22/14 09:30
Work Order: C413533

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:27	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:12	JDH	
Barium [7440-39-3] ^	**26.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:12	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:12	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:12	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:12	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:12	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:12	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:12	JDH	
Nickel [7440-02-0] ^	**1.95**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:12	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:27	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:12	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:27	VLO	
Vanadium [7440-62-2] ^	**2.94**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:12	JDH	
Zinc [7440-66-6] ^	**6.37**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:12	JDH	

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

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Description: 2903-MW8 | **Lab Sample ID:** C413533-08 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:27 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/02/14 23:01	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/02/14 23:01	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/02/14 23:01	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/14 23:01	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/02/14 23:01	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/02/14 23:01	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/02/14 23:01	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/02/14 23:01	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/02/14 23:01	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/02/14 23:01	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/02/14 23:01	MSZ	
Benzene [71-43-2] ^	**0.79**	J	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/02/14 23:01	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/02/14 23:01	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/02/14 23:01	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/02/14 23:01	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Chlorobenzene [108-90-7] ^	**14**		ug/L	1	0.17	1.0	3	EPA 8260B	11/02/14 23:01	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/02/14 23:01	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/02/14 23:01	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/02/14 23:01	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/14 23:01	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/02/14 23:01	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/02/14 23:01	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	11/02/14 23:01	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	11/02/14 23:01	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/14 23:01	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/02/14 23:01	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	

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Description: 2903-MW8 | **Lab Sample ID:** C413533-08 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:27 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/02/14 23:01	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/02/14 23:01	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/02/14 23:01	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*74 %*	*53-136*	*4J30033*	*EPA 8260B*	*11/02/14 23:01*	*MSZ*	
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*67-129*	*4J30033*	*EPA 8260B*	*11/02/14 23:01*	*MSZ*	
Toluene-d8	*41*	*1*	*50.0*	*83 %*	*59-134*	*4J30033*	*EPA 8260B*	*11/02/14 23:01*	*MSZ*	

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Description: 2903-MW8 | **Lab Sample ID:** C413533-08 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 10:27 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:30	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:15	JDH	
Barium [7440-39-3] ^	**91.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:15	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:15	JDH	
Cadmium [7440-43-9] ^	**0.555**	J	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:15	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:15	JDH	
Cobalt [7440-48-4] ^	**3.23**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:15	JDH	
Copper [7440-50-8] ^	**3.69**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:15	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:15	JDH	
Nickel [7440-02-0] ^	**2.15**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:15	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:30	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:15	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:30	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:15	JDH	
Zinc [7440-66-6] ^	**10.6**		ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:15	JDH	

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

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Description: 2903-MW9 | **Lab Sample ID:** C413533-09 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 11:09 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 10:29	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 10:29	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 10:29	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 10:29	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 10:29	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 10:29	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 10:29	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 10:29	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 10:29	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 10:29	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 10:29	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 10:29	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 10:29	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 10:29	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 10:29	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 10:29	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 10:29	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 10:29	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	**0.50**	J	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 10:29	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 10:29	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 10:29	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 10:29	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 10:29	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 10:29	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 10:29	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 10:29	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	

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Description: 2903-MW9 | **Lab Sample ID:** C413533-09 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 11:09 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 10:29	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 10:29	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 10:29	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*74 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 10:29*	*MSZ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 10:29*	*MSZ*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 10:29*	*MSZ*	

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Description: 2903-MW9 | **Lab Sample ID:** C413533-09 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 11:09 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:34	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:17	JDH	
Barium [7440-39-3] ^	**38.6**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:17	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:17	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:17	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:17	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:17	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:17	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:17	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:17	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:34	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:17	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:34	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:17	JDH	
Zinc [7440-66-6] ^	**17.9**		ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:17	JDH	

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

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Description: 2903-MW10 | **Lab Sample ID:** C413533-10 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 11:18 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 10:59	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 10:59	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 10:59	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 10:59	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 10:59	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 10:59	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 10:59	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 10:59	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 10:59	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 10:59	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 10:59	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 10:59	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 10:59	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 10:59	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 10:59	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 10:59	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 10:59	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 10:59	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	**2.8**	J	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 10:59	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 10:59	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 10:59	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 10:59	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 10:59	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 10:59	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 10:59	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 10:59	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	

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Description: 2903-MW10 | **Lab Sample ID:** C413533-10 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 11:18 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 10:59	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 10:59	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 10:59	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*73 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 10:59*	*MSZ*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 10:59*	*MSZ*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 10:59*	*MSZ*	

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Description: 2903-MW10 | **Lab Sample ID:** C413533-10 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 11:18 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:38	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:36	JDH	
Barium [7440-39-3] ^	**226**		ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:36	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:36	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:36	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:36	JDH	
Cobalt [7440-48-4] ^	**2.39**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:36	JDH	
Copper [7440-50-8] ^	**1.61**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:36	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:36	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:36	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:38	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:36	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:38	VLO	
Vanadium [7440-62-2] ^	**6.44**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:36	JDH	
Zinc [7440-66-6] ^	**7.14**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:36	JDH	

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Description: 2903-MW10d
Matrix: Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-11
Sampled: 10/21/14 11:25
Sampled By: Jason Jomp

Received: 10/22/14 09:30
Work Order: C413533

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 11:30	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 11:30	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 11:30	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 11:30	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 11:30	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 11:30	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 11:30	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 11:30	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 11:30	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 11:30	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 11:30	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 11:30	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 11:30	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 11:30	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 11:30	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 11:30	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 11:30	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 11:30	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	**1.9**	J	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 11:30	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 11:30	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 11:30	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 11:30	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 11:30	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 11:30	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 11:30	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 11:30	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	

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Description: 2903-MW10d
Matrix: Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-11
Sampled: 10/21/14 11:25
Sampled By: Jason Jomp

Received: 10/22/14 09:30
Work Order: C413533

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 11:30	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 11:30	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 11:30	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*76 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 11:30*	*MSZ*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 11:30*	*MSZ*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 11:30*	*MSZ*	

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Description: 2903-MW10d
Matrix: Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-11
Sampled: 10/21/14 11:25
Sampled By: Jason Jomp

Received: 10/22/14 09:30
Work Order: C413533

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:41	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:38	JDH	
Barium [7440-39-3] ^	**15.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:38	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:38	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:38	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:38	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:38	JDH	
Copper [7440-50-8] ^	**2.02**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:38	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:38	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:38	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:41	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:38	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:41	VLO	
Vanadium [7440-62-2] ^	**10.2**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:38	JDH	
Zinc [7440-66-6] ^	**4.70**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:38	JDH	

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Description: 2903-MW11 | **Lab Sample ID:** C413533-12 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 09:20 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 12:01	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 12:01	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 12:01	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 12:01	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 12:01	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 12:01	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 12:01	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 12:01	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 12:01	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 12:01	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 12:01	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 12:01	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 12:01	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 12:01	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 12:01	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 12:01	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 12:01	MSZ	
Chloroform [67-66-3] ^	**0.64**	J	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 12:01	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 12:01	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 12:01	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 12:01	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 12:01	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 12:01	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 12:01	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Toluene [108-88-3] ^	**0.96**	J	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 12:01	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 12:01	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	

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Description: 2903-MW11 | **Lab Sample ID:** C413533-12 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 09:20 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 12:01	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 12:01	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 12:01	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*73 %*	*53-136*	*4J29024*	*EPA 8260B*	*10/30/14 12:01*	*MSZ*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*67-129*	*4J29024*	*EPA 8260B*	*10/30/14 12:01*	*MSZ*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*59-134*	*4J29024*	*EPA 8260B*	*10/30/14 12:01*	*MSZ*	

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Description: 2903-MW11 | **Lab Sample ID:** C413533-12 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 09:20 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:45	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:41	JDH	
Barium [7440-39-3] ^	**61.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:41	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:41	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:41	JDH	
Chromium [7440-47-3] ^	**1.63**	J	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:41	JDH	
Cobalt [7440-48-4] ^	**2.16**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:41	JDH	
Copper [7440-50-8] ^	**5.31**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:41	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:41	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:41	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:45	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:41	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:45	VLO	
Vanadium [7440-62-2] ^	**9.06**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:41	JDH	
Zinc [7440-66-6] ^	**14.9**		ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:41	JDH	

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Description: 2903-MW12 | **Lab Sample ID:** C413533-13 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:27 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 20:02	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 20:02	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 20:02	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 20:02	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 20:02	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 20:02	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 20:02	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 20:02	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 20:02	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 20:02	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 20:02	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 20:02	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 20:02	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 20:02	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 20:02	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 20:02	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 20:02	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 20:02	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 20:02	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 20:02	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 20:02	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 20:02	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 20:02	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 20:02	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 20:02	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 20:02	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	

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Description: 2903-MW12 | **Lab Sample ID:** C413533-13 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:27 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 20:02	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 20:02	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 20:02	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*53-136*	*4J30038*	*EPA 8260B*	*10/30/14 20:02*	*MSZ*	
Dibromofluoromethane	*52*	*1*	*50.0*	*105 %*	*67-129*	*4J30038*	*EPA 8260B*	*10/30/14 20:02*	*MSZ*	
Toluene-d8	*50*	*1*	*50.0*	*99 %*	*59-134*	*4J30038*	*EPA 8260B*	*10/30/14 20:02*	*MSZ*	

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Description: 2903-MW12 | **Lab Sample ID:** C413533-13 | **Received:** 10/22/14 09:30

Matrix: Water | **Sampled:** 10/21/14 08:27 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:49	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:43	JDH	
Barium [7440-39-3] ^	**128**		ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:43	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:43	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:43	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:43	JDH	
Cobalt [7440-48-4] ^	**2.09**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:43	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:43	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:43	JDH	
Nickel [7440-02-0] ^	**4.12**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:43	JDH	
Selenium [7782-49-2] ^	**1.64**	J	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:49	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:43	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:49	VLO	
Vanadium [7440-62-2] ^	**26.3**		ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:43	JDH	
Zinc [7440-66-6] ^	**4.86**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:43	JDH	

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Description: 2903-SW1 | **Lab Sample ID:** C413533-14 | **Received:** 10/22/14 09:30

Matrix: Surface Water | **Sampled:** 10/21/14 09:50 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/02/14 23:31	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/02/14 23:31	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/02/14 23:31	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/14 23:31	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/02/14 23:31	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/02/14 23:31	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/02/14 23:31	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/02/14 23:31	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/02/14 23:31	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/02/14 23:31	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/02/14 23:31	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/02/14 23:31	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/02/14 23:31	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/02/14 23:31	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/02/14 23:31	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/14 23:31	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/02/14 23:31	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/02/14 23:31	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/02/14 23:31	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/14 23:31	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/02/14 23:31	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/02/14 23:31	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	11/02/14 23:31	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	11/02/14 23:31	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/14 23:31	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/02/14 23:31	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	

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Description: 2903-SW1
Matrix: Surface Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-14
Sampled: 10/21/14 09:50
Sampled By: Jason Jomp

Received: 10/22/14 09:30
Work Order: C413533

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/02/14 23:31	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/02/14 23:31	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/02/14 23:31	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*75 %*	*53-136*	*4J30033*	*EPA 8260B*	*11/02/14 23:31*	*MSZ*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*67-129*	*4J30033*	*EPA 8260B*	*11/02/14 23:31*	*MSZ*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*59-134*	*4J30033*	*EPA 8260B*	*11/02/14 23:31*	*MSZ*	

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Description: 2903-SW1 | **Lab Sample ID:** C413533-14 | **Received:** 10/22/14 09:30

Matrix: Surface Water | **Sampled:** 10/21/14 09:50 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 12:52	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:46	JDH	
Barium [7440-39-3] ^	**46.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:46	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:46	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:46	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:46	JDH	
Cobalt [7440-48-4] ^	**2.05**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:46	JDH	
Copper [7440-50-8] ^	**2.02**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:46	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:46	JDH	
Nickel [7440-02-0] ^	**5.41**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:46	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 12:52	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:46	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 12:52	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:46	JDH	
Zinc [7440-66-6] ^	**7.39**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:46	JDH	

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

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Description: 2903-SW4 | **Lab Sample ID:** C413533-15 | **Received:** 10/22/14 09:30

Matrix: Surface Water | **Sampled:** 10/21/14 11:46 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/14 20:33	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/14 20:33	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/14 20:33	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 20:33	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/14 20:33	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/14 20:33	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/14 20:33	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/14 20:33	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/14 20:33	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/14 20:33	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/14 20:33	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/14 20:33	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/14 20:33	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/14 20:33	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/14 20:33	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 20:33	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/14 20:33	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/14 20:33	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/14 20:33	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/14 20:33	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/14 20:33	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/14 20:33	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/14 20:33	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/14 20:33	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/14 20:33	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/14 20:33	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	

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Description: 2903-SW4 | **Lab Sample ID:** C413533-15 | **Received:** 10/22/14 09:30

Matrix: Surface Water | **Sampled:** 10/21/14 11:46 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/14 20:33	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/14 20:33	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/14 20:33	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*105 %*	*53-136*	*4J30038*	*EPA 8260B*	*10/30/14 20:33*	*MSZ*	
Dibromofluoromethane	*52*	*1*	*50.0*	*103 %*	*67-129*	*4J30038*	*EPA 8260B*	*10/30/14 20:33*	*MSZ*	
Toluene-d8	*50*	*1*	*50.0*	*100 %*	*59-134*	*4J30038*	*EPA 8260B*	*10/30/14 20:33*	*MSZ*	

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Description: 2903-SW4 | **Lab Sample ID:** C413533-15 | **Received:** 10/22/14 09:30

Matrix: Surface Water | **Sampled:** 10/21/14 11:46 | **Work Order:** C413533

Project: City of Lexington Closed Landfill | **Sampled By:** Jason Jomp

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
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	10/29/14 13:06	VLO	
Arsenic [7440-38-2] ^	5.40	U	ug/L	1	5.40	10.0	10	EPA 6010C	10/28/14 11:48	JDH	
Barium [7440-39-3] ^	**34.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/28/14 11:48	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/14 11:48	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/14 11:48	JDH	
Chromium [7440-47-3] ^	1.40	U	ug/L	1	1.40	10.0	10	EPA 6010C	10/28/14 11:48	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/14 11:48	JDH	
Copper [7440-50-8] ^	**4.07**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/14 11:48	JDH	
Lead [7439-92-1] ^	2.10	U	ug/L	1	2.10	10.0	10	EPA 6010C	10/28/14 11:48	JDH	
Nickel [7440-02-0] ^	**3.42**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/14 11:48	JDH	
Selenium [7782-49-2] ^	0.910	U	ug/L	1	0.910	3.00	10	EPA 6020A	10/29/14 13:06	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/14 11:48	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/29/14 13:06	VLO	
Vanadium [7440-62-2] ^	**2.22**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/14 11:48	JDH	
Zinc [7440-66-6] ^	**8.48**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/14 11:48	JDH	

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

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Description: 2903-Tripblank
Matrix: Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-16
Sampled: 10/21/14 08:27
Sampled By: ENCO

Received: 10/22/14 09:30
Work Order: C413533

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/14 23:51	MSZ	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/29/14 23:51	MSZ	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/29/14 23:51	MSZ	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/14 23:51	MSZ	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/29/14 23:51	MSZ	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/29/14 23:51	MSZ	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/29/14 23:51	MSZ	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/29/14 23:51	MSZ	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/29/14 23:51	MSZ	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/29/14 23:51	MSZ	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/29/14 23:51	MSZ	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/29/14 23:51	MSZ	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/29/14 23:51	MSZ	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/14 23:51	MSZ	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/29/14 23:51	MSZ	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/14 23:51	MSZ	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/29/14 23:51	MSZ	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/29/14 23:51	MSZ	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/29/14 23:51	MSZ	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/14 23:51	MSZ	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/29/14 23:51	MSZ	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/29/14 23:51	MSZ	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/29/14 23:51	MSZ	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/29/14 23:51	MSZ	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/14 23:51	MSZ	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/29/14 23:51	MSZ	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	

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Description: 2903-Tripblank
Matrix: Water
Project: City of Lexington Closed Landfill

Lab Sample ID: C413533-16
Sampled: 10/21/14 08:27
Sampled By: ENCO

Received: 10/22/14 09:30
Work Order: C413533

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/29/14 23:51	MSZ	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/14 23:51	MSZ	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/29/14 23:51	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*53-136*	*4J29025*	*EPA 8260B*	*10/29/14 23:51*	*MSZ*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*67-129*	*4J29025*	*EPA 8260B*	*10/29/14 23:51*	*MSZ*	
Toluene-d8	*51*	*1*	*50.0*	*103 %*	*59-134*	*4J29025*	*EPA 8260B*	*10/29/14 23:51*	*MSZ*	

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 4J29024 - EPA 5030B_MS

Blank (4J29024-BLK1) Prepared: 10/29/2014 12:42 Analyzed: 10/30/2014 03:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 4J29024 - EPA 5030B_MS

Blank (4J29024-BLK1) Continued Prepared: 10/29/2014 12:42 Analyzed: 10/30/2014 03:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*36*			*ug/L*	*50.0*		*73*	*53-136*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*93*	*67-129*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*59-134*			

LCS (4J29024-BS1) Prepared: 10/29/2014 12:42 Analyzed: 10/30/2014 04:29

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		116	75-133			
Benzene	21		1.0	ug/L	20.0		106	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	21		1.0	ug/L	20.0		105	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	74-119			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*79*	*53-136*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*67-129*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*59-134*			

Matrix Spike (4J29024-MS1) Prepared: 10/29/2014 12:42 Analyzed: 10/30/2014 04:59

Source: C414069-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.21 U	114	75-133			
Benzene	22		1.0	ug/L	20.0	0.15 U	111	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	95	83-117			
Toluene	21		1.0	ug/L	20.0	0.14 U	107	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	101	74-119			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*53-136*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*67-129*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*59-134*			

Matrix Spike Dup (4J29024-MSD1) Prepared: 10/29/2014 12:42 Analyzed: 10/30/2014 05:29

Source: C414069-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	109	75-133	4	20	
Benzene	21		1.0	ug/L	20.0	0.15 U	104	81-134	6	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	90	83-117	6	16	
Toluene	21		1.0	ug/L	20.0	0.14 U	103	71-118	4	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119	3	22	
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*53-136*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*85*	*67-129*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*59-134*			

Batch 4J29025 - EPA 5030B_MS

Blank (4J29025-BLK1) Prepared: 10/29/2014 12:56 Analyzed: 10/29/2014 15:57

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 4J29025 - EPA 5030B_MS

Blank (4J29025-BLK1) Continued Prepared: 10/29/2014 12:56 Analyzed: 10/29/2014 15:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 4J29025 - EPA 5030B_MS

Blank (4J29025-BLK1) Continued Prepared: 10/29/2014 12:56 Analyzed: 10/29/2014 15:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*53-136*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*103*	*67-129*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*102*	*59-134*			

LCS (4J29025-BS1) Prepared: 10/29/2014 12:56 Analyzed: 10/29/2014 16:29

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		114	75-133			
Benzene	20		1.0	ug/L	20.0		102	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		91	83-117			
Toluene	19		1.0	ug/L	20.0		93	71-118			
Trichloroethene	19		1.0	ug/L	20.0		96	74-119			
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*99*	*53-136*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*67-129*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*102*	*59-134*			

Matrix Spike (4J29025-MS1) Prepared: 10/29/2014 12:56 Analyzed: 10/29/2014 17:00

Source: C414069-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	108	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	101	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	94	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	95	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	99	74-119			
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*53-136*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*105*	*67-129*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*103*	*59-134*			

Matrix Spike Dup (4J29025-MSD1) Prepared: 10/29/2014 12:56 Analyzed: 10/29/2014 17:32

Source: C414069-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	108	75-133	0.09	20	
Benzene	19		1.0	ug/L	20.0	0.15 U	95	81-134	7	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	89	83-117	5	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	92	71-118	3	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	95	74-119	4	22	
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*53-136*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*67-129*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*104*	*59-134*			

Batch 4J30033 - EPA 5030B_MS

Blank (4J30033-BLK1) Prepared: 10/30/2014 13:08 Analyzed: 11/02/2014 17:01

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 4J30033 - EPA 5030B_MS

Blank (4J30033-BLK1) Continued Prepared: 10/30/2014 13:08 Analyzed: 11/02/2014 17:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 4J30033 - EPA 5030B_MS

Blank (4J30033-BLK1) Continued Prepared: 10/30/2014 13:08 Analyzed: 11/02/2014 17:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*53-136*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*83*	*67-129*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*59-134*			

LCS (4J30033-BS1) Prepared: 10/30/2014 13:08 Analyzed: 11/02/2014 17:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		96	75-133			
Benzene	19		1.0	ug/L	20.0		95	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		88	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	17		1.0	ug/L	20.0		86	74-119			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*53-136*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*67-129*			
Surrogate: Toluene-d8	*40*			*ug/L*	*50.0*		*79*	*59-134*			

Matrix Spike (4J30033-MS1) Prepared: 10/30/2014 13:08 Analyzed: 11/02/2014 18:02

Source: C413089-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	107	75-133			
Benzene	21		1.0	ug/L	20.0	0.15 U	106	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	95	83-117			
Toluene	21		1.0	ug/L	20.0	0.14 U	106	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	100	74-119			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*53-136*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*67-129*			
Surrogate: Toluene-d8	*40*			*ug/L*	*50.0*		*80*	*59-134*			

Matrix Spike Dup (4J30033-MSD1) Prepared: 10/30/2014 13:08 Analyzed: 11/02/2014 18:31

Source: C413089-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.21 U	97	75-133	10	20	
Benzene	20		1.0	ug/L	20.0	0.15 U	99	81-134	7	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	91	83-117	4	16	
Toluene	20		1.0	ug/L	20.0	0.14 U	99	71-118	7	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	96	74-119	4	22	
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*53-136*			
Surrogate: Dibromofluoromethane	*37*			*ug/L*	*50.0*		*73*	*67-129*			
Surrogate: Toluene-d8	*39*			*ug/L*	*50.0*		*78*	*59-134*			

Batch 4J30038 - EPA 5030B_MS

Blank (4J30038-BLK1) Prepared: 10/30/2014 15:15 Analyzed: 10/30/2014 16:52

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 4J30038 - EPA 5030B_MS

Blank (4J30038-BLK1) Continued Prepared: 10/30/2014 15:15 Analyzed: 10/30/2014 16:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 4J30038 - EPA 5030B_MS

Blank (4J30038-BLK1) Continued Prepared: 10/30/2014 15:15 Analyzed: 10/30/2014 16:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*53-136*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*67-129*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*101*	*59-134*			

LCS (4J30038-BS1) Prepared: 10/30/2014 15:15 Analyzed: 10/30/2014 17:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		110	75-133			
Benzene	19		1.0	ug/L	20.0		97	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		88	83-117			
Toluene	17		1.0	ug/L	20.0		87	71-118			
Trichloroethene	19		1.0	ug/L	20.0		96	74-119			
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*97*	*53-136*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*67-129*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*59-134*			

Matrix Spike (4J30038-MS1) Prepared: 10/30/2014 15:15 Analyzed: 10/30/2014 17:24

Source: C414069-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	106	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	94	81-134			
Chlorobenzene	17		1.0	ug/L	20.0	0.17 U	87	83-117			
Toluene	17		1.0	ug/L	20.0	0.14 U	86	71-118			
Trichloroethene	18		1.0	ug/L	20.0	0.15 U	92	74-119			
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*53-136*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*67-129*			
Surrogate: Toluene-d8	*54*			*ug/L*	*50.0*		*108*	*59-134*			

Matrix Spike Dup (4J30038-MSD1) Prepared: 10/30/2014 15:15 Analyzed: 10/30/2014 18:27

Source: C414069-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.21 U	97	75-133	9	20	
Benzene	19		1.0	ug/L	20.0	0.15 U	94	81-134	0.7	17	
Chlorobenzene	17		1.0	ug/L	20.0	0.17 U	85	83-117	2	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	88	71-118	2	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	93	74-119	0.6	22	
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*101*	*53-136*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*67-129*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*104*	*59-134*			

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

Batch 4J23019 - EPA 3005A

Blank (4J23019-BLK1) Prepared: 10/23/2014 11:11 Analyzed: 10/29/2014 11:34

QUALITY CONTROL

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

Batch 4J23019 - EPA 3005A

Blank (4J23019-BLK1) Continued Prepared: 10/23/2014 11:11 Analyzed: 10/29/2014 11:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.910	U	3.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (4J23019-BS1) Prepared: 10/23/2014 11:11 Analyzed: 10/29/2014 11:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	194		2.00	ug/L	200		97	80-120			
Selenium	206		3.00	ug/L	200		103	80-120			
Thallium	195		1.00	ug/L	200		98	80-120			

Matrix Spike (4J23019-MS1) Prepared: 10/23/2014 11:11 Analyzed: 10/29/2014 13:29

Source: C413533-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	205		2.00	ug/L	200	0.220 U	102	75-125			
Selenium	208		3.00	ug/L	200	0.910 U	104	75-125			
Thallium	186		1.00	ug/L	200	0.110 U	93	75-125			

Matrix Spike Dup (4J23019-MSD1) Prepared: 10/23/2014 11:11 Analyzed: 10/29/2014 13:32

Source: C413533-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	206		2.00	ug/L	200	0.220 U	103	75-125	0.7	20	
Selenium	204		3.00	ug/L	200	0.910 U	102	75-125	2	20	
Thallium	188		1.00	ug/L	200	0.110 U	94	75-125	1	20	

Post Spike (4J23019-PS1) Prepared: 10/23/2014 11:11 Analyzed: 10/29/2014 13:36

Source: C413533-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	190		2.00	ug/L	200	-0.112	95	80-120			
Selenium	190		3.00	ug/L	200	-0.321	95	80-120			
Thallium	173		1.00	ug/L	200	0.0245	87	80-120			

Batch 4J23020 - EPA 3005A

Blank (4J23020-BLK1) Prepared: 10/23/2014 11:13 Analyzed: 10/28/2014 10:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	5.40	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.40	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							

QUALITY CONTROL

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

Batch 4J23020 - EPA 3005A

Blank (4J23020-BLK1) Continued Prepared: 10/23/2014 11:13 Analyzed: 10/28/2014 10:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	2.10	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (4J23020-BS1) Prepared: 10/23/2014 11:13 Analyzed: 10/28/2014 10:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	200		10.0	ug/L	200		100	80-120			
Barium	213		10.0	ug/L	200		107	80-120			
Beryllium	21.1		1.00	ug/L	20.0		105	80-120			
Cadmium	21.5		1.00	ug/L	20.0		108	80-120			
Chromium	207		10.0	ug/L	200		104	80-120			
Cobalt	212		10.0	ug/L	200		106	80-120			
Copper	203		10.0	ug/L	200		102	80-120			
Lead	209		10.0	ug/L	200		104	80-120			
Nickel	215		10.0	ug/L	200		108	80-120			
Silver	204		10.0	ug/L	200		102	80-120			
Vanadium	203		10.0	ug/L	200		101	80-120			
Zinc	220		10.0	ug/L	200		110	80-120			

Matrix Spike (4J23020-MS1) Prepared: 10/23/2014 11:13 Analyzed: 10/28/2014 10:37

Source: C413533-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	211		10.0	ug/L	200	5.40 U	105	75-125			
Barium	342		10.0	ug/L	200	122	110	75-125			
Beryllium	21.4		1.00	ug/L	20.0	0.100 U	107	75-125			
Cadmium	21.9		1.00	ug/L	20.0	0.360 U	110	75-125			
Chromium	211		10.0	ug/L	200	1.40 U	105	75-125			
Cobalt	224		10.0	ug/L	200	8.21	108	75-125			
Copper	208		10.0	ug/L	200	1.60 U	104	75-125			
Lead	212		10.0	ug/L	200	2.10 U	106	75-125			
Nickel	219		10.0	ug/L	200	1.80 U	110	75-125			
Silver	207		10.0	ug/L	200	1.90 U	103	75-125			
Vanadium	208		10.0	ug/L	200	2.81	103	75-125			
Zinc	227		10.0	ug/L	200	7.08	110	75-125			

Matrix Spike Dup (4J23020-MSD1) Prepared: 10/23/2014 11:13 Analyzed: 10/28/2014 10:39

Source: C413533-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	208		10.0	ug/L	200	5.40 U	104	75-125	2	20	
Barium	329		10.0	ug/L	200	122	104	75-125	4	20	
Beryllium	20.7		1.00	ug/L	20.0	0.100 U	104	75-125	3	20	
Cadmium	21.3		1.00	ug/L	20.0	0.360 U	106	75-125	3	20	

QUALITY CONTROL

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

Batch 4J23020 - EPA 3005A

Matrix Spike Dup (4J23020-MSD1) Continued Prepared: 10/23/2014 11:13 Analyzed: 10/28/2014 10:39

Source: C413533-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	203		10.0	ug/L	200	1.40 U	101	75-125	4	20	
Cobalt	216		10.0	ug/L	200	8.21	104	75-125	4	20	
Copper	200		10.0	ug/L	200	1.60 U	100	75-125	4	20	
Lead	206		10.0	ug/L	200	2.10 U	103	75-125	3	20	
Nickel	211		10.0	ug/L	200	1.80 U	106	75-125	4	20	
Silver	199		10.0	ug/L	200	1.90 U	100	75-125	4	20	
Vanadium	202		10.0	ug/L	200	2.81	99	75-125	3	20	
Zinc	221		10.0	ug/L	200	7.08	107	75-125	3	20	

Post Spike (4J23020-PS1) Prepared: 10/23/2014 11:13 Analyzed: 10/28/2014 10:54

Source: C413533-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.191		0.0100	mg/L	0.200	0.00202	94	80-120			
Barium	0.318		0.0100	mg/L	0.200	0.122	98	80-120			
Beryllium	0.0191		0.00100	mg/L	0.0200	-1.72E-5	96	80-120			
Cadmium	0.0200		0.00100	mg/L	0.0200	0.000238	99	80-120			
Chromium	0.187		0.0100	mg/L	0.200	0.00105	93	80-120			
Cobalt	0.203		0.0100	mg/L	0.200	0.00821	98	80-120			
Copper	0.185		0.0100	mg/L	0.200	0.00126	92	80-120			
Lead	0.192		0.0100	mg/L	0.200	-0.000785	96	80-120			
Nickel	0.199		0.0100	mg/L	0.200	0.000920	99	80-120			
Silver	0.189		0.0100	mg/L	0.200	0.00101	94	80-120			
Vanadium	0.185		0.0100	mg/L	0.200	0.00281	91	80-120			
Zinc	0.208		0.0100	mg/L	0.200	0.00708	100	80-120			

FLAGS/NOTES AND DEFINITIONS

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
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4810 Executive Park Court, Suite 111
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102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

www.encolabs.com

Client Name: Babb & Associates (BA024)	Project Number: [none]
Address: 3605 Country Cove Lane	Project Name/Desc: City of Lexington Closed Landfill
City/ST/Zip: Raleigh, NC 27606	PO # / Billing Info:
Tel: (919) 325-0696 Fax:	Reporting Contact: Gary Babb
Sampler(s) Name, Affiliation (Print): Jason Temp	Billing Contact: Gary Babb
Sampler(s) Signature:	Site Location / Time Zone: Lexington N.C.

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Ti,V,Zn

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: C413533

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,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Ti,V,Zn	Sample Comments
	2903-MW2	10/21/14	1049	Grab	WA	4	X	X	
	2903-MW3		1037		WA	4	X	X	
	2903-MW4		837		WA	4	X	X	
	2903-MW5		853		WA	4	X	X	
	2903-MW6		936		WA	4	X	X	
	2903-MW7		1007		WA	4	X	X	
	2903-MW7d		1016		WA	4	X	X	
	2903-MW8		1027		WA	4	X	X	
	2903-MW9		1109		WA	4	X	X	
	2903-MW10		1118		WA	4	X	X	
	2903-MW10d		1125		WA	4	X	X	
	2903-MW11		920		WA	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By: LB	Date/Time: 10/14/14	Relinquished By:	Date/Time: 10/21/14 1257	Received By:	Date/Time: 10/22/14 9:30
Comments/Special Reporting Requirements		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-93 2.5c		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

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

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

Client Name: Babb & Associates (BA024)	Project Number: [none]
Address: 3605 Country Cove Lane	Project Name/Desc: City of Lexington Closed Landfill
City/ST/Zip: Raleigh, NC 27606	PO # / Billing Info:
Tel: (919) 325-0696 Fax:	Reporting Contact: Gary Babb
Sampler(s) Name, Affiliation (Print): Jason Jomp	Billing Contact: Gary Babb
Sampler(s) Signature:	Site Location / Time Zone: Lexington N.C.

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: C413533

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Sample Comments
	2903-MW12	10/21/14	827	Grab	WA	4	X	X	
	2903-SW1	↓	950	↓	WA	4	X	X	
	2903-SW4	↓	1146	↓	WA	4	X	X	
	2903-Tripblank				WA	2	X		

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By: CB	Date/Time: 10/14	Relinquished By:	Date/Time: 10/21/14 1257	Received By:	Date/Time: 10/22/14 9:30
Comments/Special Reporting Requirements		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-93 1.8°		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

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

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