OCTOBER 2007
SEMI-ANNUAL MONITORING OF GROUNDWATER AND SURFACE WATER

LINCOLN COUNTY LANDFILL
PERMIT # 55-03
LINCOLN COUNTY
CROUSE, NORTH CAROLINA
S&ME PROJECT No. 1356-07-004

Prepared for:

LINCOLN COUNTY
5291 Crouse Road
Crouse, North Carolina 28033

Prepared by:

S&ME, INC.
9751 Southern Pine Blvd.
Charlotte, North Carolina 28273

Julie R. Petersen, PG
Project Manager

M. Neal McElveen, PE
Environmental Services Manager

December 19, 2007

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).
- In Accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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):

Consultant - S&ME, INC.

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

Name: Julie R. Petersen, P.G. Phone: 704-523-4726

E-mail: jpetersen@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Lincoln County Landfill	5291 Crouse Rd. Crouse, NC 28033	55-03	.0500 and .1600	October 15-17, 2007

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 or explosive methane gas limits 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.

Julie R. Petersen, P.G. Project Manager 704-523-4726

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

Julie R. Petersen 12/19/07

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1995 GEOLOGIST JULIE R. PETERSEN

Revised 10/2006

TABLE OF CONTENTS

Section **Page**
1.0 INTRODUCTION **1**
2.0 GROUNDWATER LEVELS AND FLOW DATA **1**
3.0 ANALYTICAL DATA **1**
3.1 MONITORING WELL SAMPLING **1**
3.2 SURFACE WATER SAMPLING **5**
3.3 LEACHATE SAMPLING **6**
4.0 STATISTICAL ANALYSIS **6**

TABLES

TABLE 1: Water Level Elevations
TABLE 2: Detected Analytes in Monitoring Wells for MSW Area "E" and Phase 1
TABLE 3: Detected Analytes in Monitoring Wells for MSW Phase 2
TABLE 4: Detected Analytes in Monitoring Wells for MSW Phase 3
TABLE 5: Detected Analytes in Monitoring Wells for C&D Phase 1
TABLE 6: Detected Analytes in Monitoring Wells for C&D Phase 2
TABLE 7: Detected Analytes in Surface Water Samples
TABLE 8: Detected Analytes in Leachate

FIGURES

FIGURE 1: Groundwater Surface Map

APPENDICES

APPENDIX I: Well Sampling Logs and Laboratory Reports

1.0 INTRODUCTION

S&ME, Inc. (S&ME) was contracted by Lincoln County to provide groundwater, surface water, and leachate monitoring services at the Lincoln County Landfill located at 5291 Crouse Road in Crouse, North Carolina. This monitoring event was conducted on October 15 through October 17, 2007.

This report presents the results of the second sampling event for the year 2007 at the facility. The facility's monitoring network includes one background well (MW-1A), twenty-eight compliance wells, five surface water sample locations, and one leachate sample. The next sampling event is scheduled for April 2008.

2.0 GROUNDWATER LEVELS AND FLOW DATA

The water table elevations and our interpretation of the groundwater surface expressed as a potentiometric map along with groundwater flow direction are shown on Figure 1. Based upon the groundwater elevations in the vicinity of the landfill, groundwater in this area is projected to flow primarily to the south, with secondary flow toward the southwest and southeast toward tributaries located east and west of the landfills. Groundwater levels for the monitoring wells are presented in Table 1.

3.0 ANALYTICAL DATA

Analytical results for the landfill monitoring wells, surface water samples, and leachate sample are summarized in Tables 2 through 8. The detections above the NCAC 2L groundwater standards and/or SW GWP standard are highlighted in grey. Well sampling logs containing field measurements of pH, conductivity, temperature and water levels are included in the Appendix.

3.1 Monitoring Well Sampling

MSW Area "E" and Phase 1

MSW Area "E" and Phase 1 monitoring well locations were sampled for Appendix I volatile organic constituents (VOCs) and Appendix I metals. In addition to Appendix I VOCs and metals, the groundwater analysis for background monitoring well MW-1A also included inorganic constituents iron and manganese. A summary of the detected analytes associated with this Phase of the landfill is included as Table 2. The monitoring well network associated with these areas include background well MW-1A, compliance wells MW-8, MW-9, and MW-10R which monitor the recently abandoned leachate pond, and compliance wells MW-12 through MW-20 which monitor down gradient and side gradient of the unlined MSW landfill Area "E" and the lined MSW landfill identified as Phase 1.

Based on the laboratory analytical reports, fourteen volatile organic compounds and thirteen metals were detected in MSW Area "E" and Phase 1 monitoring wells during the October 2007 monitoring event.

Volatile Organic Compounds (VOCs)

Background monitoring well MW-1A had a detection of Chloroform at a concentration of 13 µg/L, which is below the 2L standard of 70 µg/L. Both Bromoform and Chloroform have historically been detected in monitoring well MW-1A which are commonly associated with chlorinated municipal water. Due to MW-1A's close proximity to Crouse Road, it is likely the detection of Chloroform in the well is from a leaking nearby municipal water or sewer line.

Monitoring wells MW-12 through MW-20 contained one to ten volatile organic compounds. Of the VOCs detected, four compounds were detected above their respective 2L standard: Benzene, Methylene Chloride, Tetrachloroethene, and Vinyl Chloride.

The analytical results for monitoring well MW-13 indicated that Benzene, Tetrachloroethene, and Vinyl Chloride were detected above their respective 2L Standards at concentrations of 3.8, 1.4 and 1.6 µg/L, respectively. The results for monitoring well MW-16R indicated that Benzene, Methylene Chloride, and Vinyl Chloride were detected above their respective 2L Standard at concentrations of 4.2, 10, and 0.95J µg/L, respectively. The results for monitoring well MW-19R indicated that Tetrachloroethene was detected at a concentration of 0.85J µg/L, which is above the 2L Standard of 0.7 µg/L. The results for monitoring well MW-20 indicated that Benzene, Methylene Chloride, Tetrachloroethene, and Vinyl Chloride were detected above their respective 2L Standards at concentrations of 1.4, 11, 1.3, and 1.1 µg/L, respectively.

Monitoring wells MW-13, MW-16R, MW-19R and MW-20 monitor down gradient and side gradient of the of the unlined Area "E" landfill and the volatile organic constituents detected in these wells are associated with the unlined landfill.

Inorganic Constituents (Metals)

All of the monitoring wells associated with the MSW Area "E" and Phase 1 landfills had two or more Appendix I metals detected, however only three constituents were detected above their respective SW GWP Standard: Cobalt, Thallium, and Vanadium. Iron was also detected in background monitoring well MW-1A above its respective 2L Standard.

Cobalt was detected above its SW GWP Standard of 2 µg/L in monitoring wells MW-10R, MW-12, MW-13, and MW-16R at concentrations ranging from 3.2J to 146 µg/L. Thallium was detected above its SW GWP Standard of 0.28 µg/L in monitoring wells MW-13 and MW-16R at 1.05J and 1.98J µg/L, respectively. Vanadium was detected above its SW GWP Standard of 25 µg/L in monitoring well MW-10R at a concentration of 27.7 µg/L.

Total metal concentrations in groundwater sampled from wells are often dependant on the turbidity or suspended particulates (from the aquifer formation) retrieved with the groundwater sample. The turbidity is a function of the sampling method, well construction, how the well was developed, and the grain size/consolidation of the lithologic unit sampled. Since the unfiltered samples are acidified in the field at the time of collection, metals contained within the particulates are dissolved into the sample. Thus, the presence of turbidity in groundwater samples often results in elevated (false positive) analytical results for total metal concentrations. Therefore, the presence of

elevated total metal concentrations does not necessarily correlate with groundwater impact.

Based on historical water quality data, the background well and each of the compliance wells (excluding MW-19R) have contained at least one total metal at concentrations above the 2L Standards. Metal concentrations in several wells have fluctuated below and above detection limits. In the background well MW-1A, beryllium, cadmium, chromium, cobalt, lead, silver, and vanadium have been detected at concentrations above the 2L standards. Based on this data, it appears that the majority of the metals detected within the monitoring wells are either naturally occurring or a product of turbidity during sampling.

MSW Phase 2

MSW Phase 2 monitoring well locations were sampled for Appendix I volatile organic compounds (VOCs) and Appendix I metals. A summary of the detected analytes associated with this Phase of the landfill is included as Table 3. The monitoring well network associated with this Phase is compliance wells MW-21 and MW-24 which monitor side gradient of the landfill and MW-25 and MW-25A which monitor the Phase 2 sump.

Volatile Organic Compounds (VOCs)

Based on the laboratory analytical results, Acetone was detected in all four Phase 2 compliance monitoring wells at concentrations of 2.1J to 7.8J µg/L. Please note that Acetone has not been detected previously in these four wells, and it was detected at relatively low concentrations; Also ENCO (Environmental Conservation Laboratory) made note in their laboratory report that acetone was determined to be a possible laboratory contaminant. No other volatile organic compounds were detected in the wells.

Inorganic Constituents (Metals)

All of the monitoring wells associated with the Phase 2 landfill had three or more Appendix I metals detections, however only two constituents were detected above their respective 2L Standard and/or SW GWP Standard: Antimony and Thallium.

Antimony was detected in monitoring well MW-25A at a concentration of 1.87J µg/L, which is above the SW GWP Standard of 1.4 µg/L, but below the NCAC 2L Standard of 6 µg/L. Thallium was detected in monitoring well MW-25 at a concentration of 0.037J µg/L, which is below the SW GWP Standard of 0.28 µg/L.

As previously discussed above, it appears that the majority of the metals detected within the monitoring wells are either naturally occurring or a product of turbidity during sampling.

MSW Phase 3

MSW Phase 3 monitoring well locations were sampled for Appendix I volatile organic compounds (VOCs) and Appendix I metals. A summary of the detected analytes associated with this phase of the landfill is included in Table 4. The monitoring well

network associated with this area include compliance wells MW-32R and MW-34 which monitor down gradient and side gradient of the landfill and MW-33/33A and MW-35/35A which monitor the Phase 3 sump locations.

Volatile Organic Compounds (VOCs)

Based on the laboratory analytical results, Acetone was detected in all six of the Phase 3 compliance monitoring wells at concentrations of 5.9J to 28J µg/L. Please note that Acetone has not been detected previously in these six wells, and it was detected at relatively low concentrations; Also ENCO (Environmental Conservation Laboratory) made note in their laboratory report that acetone was determined to be a possible laboratory contaminant. No other volatile organic compounds were detected in the wells.

Inorganic Constituents (Metals)

All of the monitoring wells associated with the Phase 2 landfill had two or more Appendix I metals detected, however only two constituents were detected above their respective 2L Standard and/or SW GWP Standard: Cobalt and Lead.

Cobalt was detected in monitoring well MW-34 at a concentration of 3.4J µg/L, which is above the SW GWP Standard of 2 µg/L. Lead was detected in monitoring well MW-32R at a concentration of 19 µg/L, which is above the NCAC 2L Standard of 15 µg/L.

As previously discussed above, it appears that the majority of the metals detected within the monitoring wells are either naturally occurring or a product of turbidity during sampling.

C&D Landfill Phase 1 and Phase 2

C&D Landfill Phase 1 and Phase 2 monitoring well locations were sampled for Appendix I volatile organic compounds (VOCs); Appendix I metals plus mercury, manganese, and iron; and four classical chemistry compounds: Chloride, Total Dissolved Solids, Sulfate, and Alkalinity. A summary of the detected analytes associated with the C&D Landfills is included as Table 5 and 6. The monitoring well network associated with the C&D landfills include compliance wells MW-26, MW-27, and MW-28 which monitor Phase 1 and MW-29, MW-30, and MW-31 which monitor Phase 2.

Volatile Organic Compounds (VOCs)

Monitoring wells MW-26, MW-28, MW-30, and MW-31 had no volatile organic compounds detected during the October 2007 monitoring event; however the laboratory analytical results indicated that monitoring wells MW-27 and MW-29 had at least one VOC detection.

Monitoring well MW-27 had detections of 1,1-dichloroethene and trichloroflouromethane at concentrations of 0.43J and 0.62J µg/L, respectively, which are below their respective 2L Standards.

Both monitoring well MW-27 and MW-29 had concentrations of Acetone ranging from 4.5J to 5.6J µg/L, which is below the NCAC 2L Standard of 700 µg/L. Please note that Acetone has not been detected previously in these two wells, and it was detected at

relatively low concentrations; Also ENCO (Environmental Conservation Laboratory) made note in their laboratory report that acetone was determined to be a possible laboratory contaminant.

Inorganic Constituents (Metals)

All of the monitoring wells associated with the C&D landfills had four or more metals detections, however only three constituents were detected above their respective 2LStandard and/or SW GWP Standard: Cobalt, Iron, and Manganese.

Cobalt was detected in MW-27 at a concentration of 6.2J µg/L, which is above the SW GWP Standard of 2 µg/L. Iron was detected in all of the C&D landfill monitoring wells except for MW-28 at concentrations ranging from 1020 to 23000 µg/L, which is above the NCAC 2L Standard of 300 µg/L. Manganese was detected in monitoring well MW-27 at a concentration of 441 µg/L, which is above the NCAC 2L Standard of 50 µg/L.

As previously discussed above, it appears that the majority of the metals detected within the monitoring wells are either naturally occurring or a product of turbidity during sampling, however because this is only the second sampling event in which iron and manganese have been included in the analysis for the C&D wells and the first sampling event in which they were included in the analysis for the background well MW-1A, we do not have historical data on these constituents to indicate if they are naturally occurring, from turbidity during sampling, or from the C&D landfill. Additional sampling events will be needed to make any conclusions regarding iron and manganese.

Classical Chemistry Compounds

Total Dissolved Solids, Chloride, Sulfate, and Alkalinity were analyzed for in the C&D landfill wells. The results of which are summarized in Tables 5 and 6. Please note that none of the classical chemistry compounds analyzed for in the C&D landfill wells exceeded any of the established NCAC 2L Standards and/or SW GWP Standards.

3.2 Surface Water Sampling

Lincoln County Landfill has five surface water sampling locations positioned in the tributaries located to the east, south, and west of the landfills as indicated on the attached Figure 1. The surface water samples were analyzed for Appendix I VOCs and Appendix I metals plus Mercury, Iron and Manganese. A summary of the detected analytes associated with the surface water samples is included as Table 7. Please note that surface water sample locations SW-3, SW-4, and SW-5 were dry during the October 2007 sampling event.

Based on the laboratory analytical results, Acetone was detected in surface water sample locations SW-1 and SW-2 at concentrations of 4.1J and 3.6J µg/L, respectively. Please note that Acetone has not been detected previously in the surface water sample locations, and it was detected at relatively low concentrations; Also ENCO (Environmental Conservation Laboratory) made note in their laboratory report that acetone was determined to be a possible laboratory contaminant. No other volatile organic compounds were detected in the wells.

Surface water sampling locations SW-1 and SW-2 had six to seven inorganic constituents detected; however none were above their respective NCAC 2B Standard.

3.3 Leachate Sampling

A sample of the leachate from the leachate collection system for the landfill was collected from the liftstation prior to entering the on-site leachate holding tanks. The leachate sample was analyzed for Appendix I VOCs, Appendix I metals, Biologic Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Nitrate/Nitrite, Sulfate, Total Suspended Solids (TSS), and Phosphorous. A summary of the detected analytes for the leachate is included as Table 8.

4.0 STATISTICAL ANALYSIS

S&ME has previously performed statistical evaluations of groundwater monitoring data for the MSW landfills and included this demonstration in sampling reports previously submitted to the Section. No statistical analysis was performed for this sampling report because the new SWSLs and MDLs are lower than the previous PQLs resulting in constituents being detected in the April and October 2007 sampling events that were not detected previously. Additional sampling events are recommended to evaluate the statistical significance of these low level detections. S&ME will continue statistical evaluation following the October 2008 monitoring event.

TABLES

Table 1
October 2007 - Water Level Elevations
Lincoln County Landfill
S&ME Project No. 1356-07-004

Well Identification		Top of Casing Elevation (ft - MSL)	Depth to Groundwater From Top of Casing (ft)	Groundwater Elevation (ft - MSL)
Background Well	MW-1A	929.27	39.08	890.19
Leachate Lagoon	MW-8	840.03	**DRY**	**DRY**
Leachate Lagoon	MW-9	840.20	35.50	804.70
Leachate Lagoon	MW-10R	834.97	29.73	805.24
Area "E" and Phase 1	MW-12	827.57	14.38	813.19
Area "E" and Phase 1	MW-13	872.78	33.05	839.73
Area "E" and Phase 1	MW-14	871.44	31.48	839.96
Area "E" and Phase 1	MW-15	847.86	28.83	819.03
Area "E" and Phase 1	MW-16R	876.39	16.69	859.70
Area "E" and Phase 1	MW-17	899.64	35.56	864.08
Area "E" and Phase 1	MW-18	861.41	27.78	833.63
Area "E" and Phase 1	MW-19R	862.40	26.12	836.28
Area "E" and Phase 1	MW-20	860.00	16.62	843.38
Phase 2	MW-21	855.91	39.73	816.18
Phase 2	MW-24	841.13	28.70	812.43
Phase 2	MW-25	838.73	30.20	808.53
Phase 2	MW-25A	838.84	30.70	808.14
C&D Phase 1	MW-26	871.19	14.90	856.29
C&D Phase 1	MW-27	880.90	19.25	861.65
C&D Phase 1	MW-28	915.68	44.19	871.49
C&D Phase 2	MW-29	879.97	38.90	841.07
C&D Phase 2	MW-30	886.35	62.90	823.45
C&D Phase 2	MW-31	879.88	34.44	845.44
Phase 3	MW-32R	827.25	19.33	807.92
Phase 3	MW-33	819.38	18.22	801.16
Phase 3	MW-33A	818.67	18.36	800.31
Phase 3	MW-34	832.77	30.58	802.19
Phase 3	MW-35	839.64	34.70	804.94
Phase 3	MW-35A	839.65	35.96	803.69

Notes:

(ft - MSL) - Feet Mean Sea Level

(ft) - Feet

The "A" suffix on the well locations indicates the deep well of the pair.

Notes for Tables 2 through 8
Lincoln County Landfill
S&ME Project No. 1356-07-004

Notes:

(1) ug/L = micrograms per liter (parts per billion)
(2) mg/L = milligrams per liter (parts per million)
(3) 15A NCAC 2L = North Carolina Groundwater Quality Standards
(4) 15A NCAC 2B = North Carolina Surface Water Quality Standards
(5) GWP ST = Solid Waste Groundwater Protection Standard
(6) NE = No established standard
(7) Bold and highlighted indicates above 15A NCAC 2L or SW GWP standard
(8) Compounds not shown were not detected.
(9) SWSL = North Carolina Department of Environmtent and Natural Resources Solid Waste Section Limit established in 2007
(10) NA = Not Analyzed

Table 2
October 2007 - Detected Analytes in Monitoring Wells for MSW Area "E" and Phase 1
Lincoln County Landfill
S&ME Project No. 1356-07-004

EPA Appendix I Volatile Organic Compounds Method 8260 (ug/L)	NCDENR SWSL	15A NCAC 2L	Soild Waste GWP ST	MW-1A	MW-8	MW-9	MW-10R	MW-12	MW-13	MW-14	MW-15	MW-16R	MW-17	MW-18	MW-19R	MW-20
1,1-Dichloroethane	5	70	NE		DRY				22	3 J		6.7			5.2	19
1,4 - Dichlorobenzene	1	1.4	NE						0.88 J							
cis-1,2,-Dichloroethene	5	70	NE						2.1 J			2.1 J			0.3 J	1.8 J
Acetone	100	700	NE					2.5 J	20 J		4.2 J	6.5 J	2.8 J	6.3 J	8.9 J	7.9 J
Benzene	1	1	NE						**3.8**			**4.2**				**1.4**
Chlorobenzene	3	50	NE									0.62 J				
Chloroethane	10	2800	2800						4.9 J			2.1 J				3 J
Chloroform	5	70	NE	13												
Xylenes (total)	5	530	NE						1 J			12				3 J
Methylene chloride	1	4.6	NE									**10**			4	**11**
Tetrachloroethene	1	0.7	NE						**1.4**						**0.85 J**	**1.3**
Trichloroethene	1	2.8	NE						1.5				0.39 J		0.62 J	1.8
Trichlorofluoromethane	1	2100	NE												0.40 J	
Vinyl chloride	1	0.015	NE						**1.6**			**0.95 J**				**1.1**
EPA Appendix I Metals Method 6010B/6020 (ug/L)																
Antimony	NE	6	1.4							0.8 J						
Arsenic	10	50	NE						2.4 J							
Barium	100	2000	NE	28.6 J		28.7 J	65.5 J	169	63.4 J	24.3 J	73.9 J	378	53.4 J	47.2 J	20.4 J	67.1 J
Chromium	10	50	NE	7.4 J			11.4									
Cobalt	10	NE	2				**3.2 J**	**23.7**	**146**			**25.7**	2.7 J	4.9 J		2.3 J
Copper	10	1000	NE	2.7 J			1.1 J			0.8 J						
Iron	300	300	NE	**540**		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	15	NE				2.5 J				2.1 J	6.7 J				
Manganese	50	50	NE	11 J		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	50	100	NE	9.6 J			5 J	4 J	11 J			18.1 J	5.5 J	2.4 J		2.4 J
Thallium	5.5	NE	0.28	0.069 J			0.077 J	0.099 J	**1.05 J**	0.055 J	0.038 J	**1.98 J**		0.126 J		
Vanadium	25	NE	25	1 J			**27.7**				1.8 J				1.1 J	
Zinc	10	1050	NE	10.1		2.3 J	29.1	63.8	21.1	18.9	7.2 J	59	11.3	8.4 J	4.3 J	4.6 J

Table 3
October 2007 - Detected Analytes in Monitoring Wells for MSW Phase 2
Lincoln County Landfill
S&ME Project No. 1356-07-004

EPA Appendix I Volatile Organic Compounds Method 8260 (ug/L)	**NCDENR SWSL**	**15A NCAC 2L**	**Soild Waste GWP ST**	**MW-21**	**MW-24**	**MW-25**	**MW-25A**
Acetone	100	700	NE	7.8 J	2.2 J	2.1 J	3 J
EPA Appendix I Metals Method 6010B/6020 (ug/L)							
Antimony	NE	6	1.4				**1.87 J**
Barium	100	2000	NE	38.9 J	44.3 J	116	35.4 J
Chromium	10	50	NE			3.1 J	4.4 J
Thallium	5.5	NE	0.28			0.037 J	
Vanadium	25	NE	25	1.6 J	1.8 J		2.5 J
Zinc	10	1050	NE	2.5 J	8.7 J	12.6	5.0 J

Table 4
October 2007 - Detected Analytes in Monitoring Wells for MSW Phase 3
Lincoln County Landfill
S&ME Project No. 1356-07-004

EPA Appendix I Volatile Organic Compounds Method 8260 (ug/L)	**NCDENR SWSL**	**15A NCAC 2L**	**Soild Waste GWP ST**	**MW-32R**	**MW-33**	**MW-33A**	**MW-34**	**MW-35**	**MW-35A**
Acetone	100	700	NE	6.4 J	5.9 J	14 J	6 J	7.6 J	28 J
EPA Appendix I Metals Method 6010B/6020 (ug/L)									
Arsenic	10	50	NE						2.3 J
Barium	100	2000	NE	265	49.6 J	10.5 J	93.6 J	59 J	44.4 J
Beryllium	1	NE	4	1.1					
Chromium	10	50	NE						4.7 J
Cobalt	10	NE	2				**3.4 J**		
Copper	10	1000	NE						1.1 J
Lead	10	15	NE	**19**					
Nickel	50	100	NE	5.5 J					
Thallium	5.5	NE	0.28	0.233 J			0.1 J	0.209 J	
Vanadium	25	NE	25	15 J				4.1 J	6.2 J
Zinc	10	1050	NE	50.9	4.9 J	8.9 J	10.4	11.9	5.4 J

Table 5
October 2007 - Detected Analytes in Monitoring Wells for C&D Phase 1
Lincoln County Landfill
S&ME Project No. 1356-07-004

EPA Appendix I Volatile Organic Compounds Method 8260 (ug/L)	**NCDENR SWSL**	**15A NCAC 2L**	**Soild Waste GWP ST**	**MW-26**	**MW-27**	**MW-28**
1,1-Dichloroethene	5	7	NE		0.43 J	
Acetone	100	700	NE		5.6 J	
Trichlorofluoromethane	1	2100	NE		0.62 J	
EPA Appendix I Metals Method 6010B/6020 (ug/L)						
Arsenic	10	50	NE	2.1 J	2.4 J	
Barium	100	2000	NE	54.6 J	187	32.4 J
Chromium	10	50	NE	5.7 J	4.4 J	
Cobalt	10	NE	2		**6.2 J**	
Copper	10	1000	NE	1 J		
Iron	300	300	NE	**1980**	**1700**	
Manganese	50	50	NE	34.7 J	**441**	8.2 J
Mercury	0.2	1.05	NE		0.18 J	
Nickel	50	100	NE	3.4 J	13 J	
Thallium	5.5	NE	0.28	0.111 J	0.092 J	0.048 J
Vanadium	25	NE	25	4.5 J	2.2 J	
Zinc	10	1050	NE	7.8 J	10.8	4.7 J
Classical Chemistry Compounds (mg/L)						
Chloride	NE	250	NE		5.6	
Sulfate as SO4	250	250	NE	1.2 J	1.3 J	0.6 J
Total Dissolved Solids	NE	500000	NE		24	
Total Alkalinity	NE	NE	NE	9.1	40	6.4

Table 6
April 2007 - Detected Analytes in Monitoring Wells for C&D Phase 2
Lincoln County Landfill
S&ME Project No. 1356-07-004

EPA Appendix I Volatile Organic Compounds Method 8260 (ug/L)	**NCDENR SWSL**	**15A NCAC 2L**	**Soild Waste GWP ST**	**MW-29**	**MW-30**	**MW-31**
Acetone	100	700	NE	4.5 J		
EPA Appendix I Metals Method 6010B/6020 (ug/L)						
Arsenic	10	50	NE		2.9 J	
Barium	100	2000	NE	38.7 J	58.9 J	6.8 J
Cobalt	10	NE	2	5 J		
Copper	10	1000	NE	19.3		
Chromium	10	50	NE	3.4 J		
Iron	300	300	NE	**23000**	**1020**	**9990**
Lead	10	15	NE	5.9 J		
Manganese	50	50	NE	36.6 J	48.3 J	41.7 J
Nickel	50	100	NE	7.6 J	3.2 J	
Thallium	5.5	NE	0.28	0.268 J	0.04 J	
Vanadium	25	NE	25	7.9 J	1.2 J	
Zinc	10	1050	NE	16.8	7.5 J	3.1 J
Classical Chemistry Compounds (mg/L)						
Chloride	NE	250	NE	2		
Sulfate as SO4	250	250	NE	5.5 J	1.2 J	7.2 J
Total Dissolved Solids	NE	500000	NE	26		
Total Alkalinity	NE	NE	NE	25	9.6	

Table 7
October 2007 - Detected Analytes in Surface Water Samples
Lincoln County Landfill
S&ME Project No. 1356-07-004

EPA Appendix I Volatile Organic Compounds Method 8260 (ug/L)	**15A NCAC 2B**	SW-1	SW-2	SW-3	SW-4	SW-5
Acetone	500	4.1 J	3.6 J	Dry	Dry	Dry
EPA Appendix I Metals Method 6010B/6020 (ug/L)						
Arsenic	50	2 J	3.1 J			
Barium	1400	48.3 J	16.6 J			
Iron	1000	268	197			
Manganese	NE	69.7	12.7 J			
Nickel	88	2.3 J				
Zinc	50	4.5 J	1.8 J			

Table 8
October 2007 - Detected Analytes in Leachate
Lincoln County Landfill
S&ME Project No. 1356-07-004

EPA Appendix I Volatile Organic Compounds Method 8260 (ug/L)	**NCDENR SWSL**	**15A NCAC 2L**	**Soild Waste GWP ST**	**Leachate**
4-Methyl-2-pentanone	100	NE	560	3.1 J
trans-1,3-Dichloropropene	1	0.19	NE	**1.8**
Acetone	100	700	NE	38 J
Methylene chloride	1	4.6	NE	**9.8**
EPA Appendix I Metals Method 6010B/6020 (ug/L)				
Arsenic	10	50	NE	28.3
Barium	100	2000	NE	389
Cobalt	10	NE	2	19.5
Lead	10	15	NE	19.9
Nickel	50	100	NE	55.3
Thallium	5.5	NE	0.28	0.278 J
Vanadium	25	NE	25	**26.7**
Zinc	10	1050	NE	505
Classical Chemistry Compounds (mg/L)				
BOD	NE	NE	NE	26
COD	NE	NE	NE	600
Sulfate	250	250	NE	25 J
Phosphorous	NE	NE	NE	6
Nitrate as N	10	10	NE	0.12 J
Nitrate/Nitrite as N	NE	NE	NE	0.13
Total Alkalinity	NE	NE	NE	1600
Total Suspended Solids	NE	NE	NE	320

FIGURES

LEGEND

- MW-10 — EXISTING MONITORING WELL
- S-1 — SURFACE WATER SAMPLING LOCATION
- 814.39 — GROUNDWATER SURFACE (10/15-16/07)
- GROUNDWATER ELEVATION (ft-msl)
- PROPERTY BOUNDARY

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

NORTH CAROLINA PROFESSIONAL SEAL 1095 GEOLOGIST WALTER R. PETTY

10/14/07

REFERENCE:
TOPOGRAPHIC SURVEY FOR LINCOLN COUNTY LANDFILL BY SUTTLES SURVEYING, P.A., DATED: JULY 2, 2006.

GROUNDWATER SURFACE MAP
OCTOBER, 2007

LINCOLN COUNTY LANDFILL
CROUSE, NORTH CAROLINA

NO.	DATE	DESCRIPTION	BY

S&ME
WWW.SMEINC.COM
9701 SOUTHERN PINE BLVD.
CHARLOTTE, NC 28273
PH. 704-523-4726
FAX 704-523-3523

LINCOLN COUNTY LANDFILL
5291 CROUSE ROAD
CROUSE, NORTH CAROLINA

DRAWN BY:	CLD
CHECKED BY:	
DESIGNED BY:	
APPROVED BY:	
PROJECT NUMBER	1356-07-004
DATE:	12-3-07
SCALE:	AS SHOWN
DRAWING:	1
OF:	1

DRAWING PATH: G:\1356\LINCOLN COUNTY\07-004\GWATER_10-2007.DWG

APPENDIX I

WELL SAMPLING LOGS AND LABORATORY REPORTS

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-1A

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 3.1
Depth to Water (ft) 39.08
Depth to Base of Well (ft) 57.00
(well casing volume = water column*0.174)
Water Column (ft) 17.92
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/15/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	10:15	6.36	16.2	150
	3.1	10:22	6.42	15.9	26
	6.2	10:29	5.85	15.7	11
Final	9.3	10:35	5.57	15.3	12

Well Sampling Data

Sampling Date 10/16/2007
Sampling Time 0818
Sampling Equipment disposable teflon bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottle	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-8

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume
Depth to Water (ft) 31.00
Depth to Base of Well (ft) 31.00 (well casing volume = water column*0.174)
Water Column (ft) **DRY**
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/15/2007 Purging Equipment

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0				
	DRY				
Final					

Well Sampling Data

Sampling Date
Sampling Time
Sampling Equipment
Sample Observations

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottle	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-9

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 6.1
Depth to Water (ft) 35.50
Depth to Base of Well (ft) 70.50 (well casing volume = water column*0.174)
Water Column (ft) 35.00
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/15/2007 Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:45	8.34	14.7	31
	6.1	13:52	8.13	15.2	33
	12.2	14:00	8	14.9	33
Final	18.3	14:07	8.28	15	36

Well Sampling Data

Sampling Date 10/16/2007
Sampling Time 10:15
Sampling Equipment disposable teflon bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-10R

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 0.3
Depth to Water (ft) 29.73
Depth to Base of Well (ft) 31.50 (well casing volume = water column*0.174)
Water Column (ft) 1.77
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/15/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:34	6.21	15.1	42
	0.3	13:36	6.35	14.9	28
	0.6	13:38	6.05	14.8	25
Final	0.9	13:40	6.24	14.8	27

Well Sampling Data

Sampling Date 10/16/2007
Sampling Time 9:53
Sampling Equipment Disposable Teflon Bailer
Sample Observations Turbid

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-12

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 0.7
Depth to Water (ft): 14.38
Depth to Base of Well (ft): 18.50
(well casing volume = water column*0.174)
Water Column (ft): 4.12
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	12:30	6.40	12.1	180
	0.7	12:34	6.24	12.5	144
	1.4	12:38	6.35	12.3	140
Final	2.1	12:42	6.37	11.9	136

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 10:38
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-13

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 1.3
Depth to Water (ft) 33.05
Depth to Base of Well (ft) 40.50 (well casing volume = water column*0.174)
Water Column (ft) 7.45
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/16/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:15	6.64	22.0	69
	1.3	13:22	6.43	21.9	77
	2.6	13:28	6.55	20.9	79
Final	3.9	13:35	6.44	23.8	73

Well Sampling Data

Sampling Date 10/17/2007
Sampling Time 8:48
Sampling Equipment disposable teflon bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-14

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 7.7
Depth to Water (ft): 31.48
Depth to Base of Well (ft): 76.00
(well casing volume = water column*0.174)
Water Column (ft): 44.52
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/16/2007
Purging Equipment: Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:14	7.86	24.4	86
	7.7	13:21	6.72	21.9	71
	15.4	13:27	6.76	20.3	69
Final	23.1	13:34	7.18	23.6	70

Well Sampling Data

Sampling Date: 10/17/2007
Sampling Time: 8:55
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-15

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 0.3
Depth to Water (ft): 28.83
Depth to Base of Well (ft): 30.50
(well casing volume = water column*0.174)
Water Column (ft): 1.67
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/16/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:20	8.15	21.8	22
	0.3	14:22	7.90	21.1	20
	Dry				
Final					

Well Sampling Data

Sampling Date: 10/17/2007
Sampling Time: 9:30
Sampling Equipment: disposable teflon bailer
Sample Observations: slightly turbid

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-16R

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 0.85
Depth to Water (ft) 16.69
Depth to Base of Well (ft) 21.60
(well casing volume = water column*0.174)
Water Column (ft) 4.91
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/16/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	12:37	6.69	21.0	275
	0.9		6.52	20.3	294
	1.7		6.58	20.8	339
Final	2.6		6.69	20.0	296

Well Sampling Data

Sampling Date 10/17/2007
Sampling Time 8:25
Sampling Equipment disposable teflon bailer
Sample Observations slightly turbid

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-17

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 0.2
Depth to Water (ft): 35.56
Depth to Base of Well (ft): 36.50
(well casing volume = water column*0.174)
Water Column (ft): 0.94
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	10:44	5.40	19.8	98
	DRY	10:46			
Final					

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 8:30
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-18

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 0.7
Depth to Water (ft): 27.78
Depth to Base of Well (ft): 32.00
(well casing volume = water column*0.174)
Water Column (ft): 4.22
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/16/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:47	7.00	24.0	160
	0.7	13:48	6.89	20.5	169
	Dry				
Final					

Well Sampling Data

Sampling Date: 10/17/2007
Sampling Time: 9:05
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-19R

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 8.0
Depth to Water (ft) 26.12
Depth to Base of Well (ft) 72.00
(well casing volume = water column*0.174)
Water Column (ft) 45.88
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/16/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:45	7.36	24.6	80
	8.0	13:50	7.01	22.0	82
	16.0	13:55	7.50	23.8	83
Final	24.0	14:00	7.11	21.8	84

Well Sampling Data

Sampling Date 10/17/2007
Sampling Time 9:12
Sampling Equipment disposable teflon bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-20

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 1.8
Depth to Water (ft): 16.62
Depth to Base of Well (ft): 27.00
(well casing volume = water column*0.174)
Water Column (ft): 10.38
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/16/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	12:43	7.33	20.6	87
	1.8	12:50	6.80	19.4	71
	3.6	12:57	6.51	19.7	53
Final	5.4	13:04	6.48	18.3	57

Well Sampling Data

Sampling Date: 10/17/2007
Sampling Time: 8:37
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-21

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 0.8
Depth to Water (ft): 39.73
Depth to Base of Well (ft): 44.11
(well casing volume = water column*0.174)
Water Column (ft): 4.38
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/16/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:28	7.55	20.9	47
	0.8	14:32	7.40	20.0	53
	1.6	14:36	7.35	19.3	45
Final	2.4	14:40	7.41	19.2	52

Well Sampling Data

Sampling Date: 10/17/2007
Sampling Time: 9:40
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-24

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 0.5
Depth to Water (ft): 28.70
Depth to Base of Well (ft): 31.60
(well casing volume = water column*0.174)
Water Column (ft): 2.90
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	12:42	7.00	17.4	45
	0.5	12:45	6.98	17.1	33
	1.0	12:47	7.05	17.3	31
Final	1.5	12:50	7.18	17.5	31

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 10:26
Sampling Equipment: disposable teflon bailer
Sample Observations: slightly turbid

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-25

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 0.2
Depth to Water (ft): 30.20
Depth to Base of Well (ft): 31.50
(well casing volume = water column*0.174)
Water Column (ft): 1.30
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:00	6.05	17.0	59
	0.2	13:01	5.95	17.2	51
	DRY				
Final					

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 9:30
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-25A

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 5.1
Depth to Water (ft) 30.70
Depth to Base of Well (ft) 60.00
(well casing volume = water column*0.174)
Water Column (ft) 29.30
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/15/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:05	6.50	18.0	30
	5.1	13:10	6.34	17.5	26
	10.2	13:20	6.32	17.3	27
Final	15.3	13:25	6.34	17.4	26

Well Sampling Data

Sampling Date 10/16/2007
Sampling Time 9:35
Sampling Equipment disposable teflon bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(2) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-26

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 1.4
Depth to Water (ft): 14.90
Depth to Base of Well (ft): 23.00
(well casing volume = water column*0.174)
Water Column (ft): 8.10
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:52	7.29	19.9	40
	1.4	15:00	7.26	20.1	35
	2.8	15:08	7.24	20.0	35
Final	4.2	15:15	7.22	19.9	33

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 11:15
Sampling Equipment: disposable teflon bailer
Sample Observations

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottle	HNO3
Alkalinity, TDS, Chloride, Sulfate	(1) 500 ml plastic bottle (1) 250 ml plastic bottle	None

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-27

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 1.3
Depth to Water (ft): 19.25
Depth to Base of Well (ft): 27.00
(well casing volume = water column*0.174)
Water Column (ft): 7.75
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:43	6.99	20.1	107
	1.3	14:46	6.98	20.0	103
	2.6	14:49	7.00	21.1	102
Final	3.9	14:52	7.02	19.8	99

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 11:05
Sampling Equipment: disposable teflon bailer
Sample Observations

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottle	HNO3
Alkalinity, TDS, Chloride, Sulfate	(1) 500 ml plastic bottle (1) 250 ml plastic bottle	None

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-28

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 1.8
Depth to Water (ft): 44.19
Depth to Base of Well (ft): 54.50
(well casing volume = water column*0.174)
Water Column (ft): 10.31
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:28	6.21	18.6	20
	1.8	14:32	6.25	18.3	16
	3.6	14:34	6.27	18.5	16
Final	5.4	14:38	6.30	18.6	14

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 10:55
Sampling Equipment: disposable teflon bailer
Sample Observations

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottle	HNO3
Alkalinity, TDS, Chloride, Sulfate	(1) 500 ml plastic bottle (1) 250 ml plastic bottle	None

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-29

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 1.1
Depth to Water (ft): 38.90
Depth to Base of Well (ft): 45.00
(well casing volume = water column*0.174)
Water Column (ft): 6.10
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Disposable Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:08	6.54	18.7	120
	1.1	14:12	6.32	18.6	74
	2.2	14:16	6.44	18.8	81
Final	3.3	14:20	6.46	18.8	76

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 8:43
Sampling Equipment: disposable teflon bailer
Sample Observations: turbid

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottle	HNO3
Alkalinity, TDS, Chloride, Sulfate	(1) 500 ml plastic bottle (1) 250 ml plastic bottle	None

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-30

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 0.2
Depth to Water (ft): 62.90
Depth to Base of Well (ft): 64.00
(well casing volume = water column*0.174)
Water Column (ft): 1.10
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	15:20	6.00	18.7	34
	0.2	15:22	5.45	18.3	22
	DRY				
Final					

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 9:00
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottle	HNO3
Alkalinity, TDS, Chloride, Sulfate	(1) 500 ml plastic bottle (1) 250 ml plastic bottle	None

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-31

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 1.0
Depth to Water (ft): 34.44
Depth to Base of Well (ft): 40.00
(well casing volume = water column*0.174)
Water Column (ft): 5.56
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/15/2007
Purging Equipment: Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	15:30	4.52	19.1	63
	1.0	15:33	4.38	18.7	24
	2.0	15:36	4.32	18.9	22
Final	3.0	15:39	4.40	18.7	25

Well Sampling Data

Sampling Date: 10/16/2007
Sampling Time: 9:15
Sampling Equipment: disposable teflon bailer
Sample Observations: moderately turbid

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottle	HNO3
Alkalinity, TDS, Chloride, Sulfate	(1) 500 ml plastic bottle (1) 250 ml plastic bottle	None

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-32R

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 1.5
Depth to Water (ft) 19.33
Depth to Base of Well (ft) 28.05 (well casing volume = water column*0.174)
Water Column (ft) 8.72
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/16/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	15:02	8.27	25.2	54
	1.5	15:07	8.05	21.1	53
	3.0	15:12	7.75	21.0	56
Final	4.5	15:17	7.84	20.1	55

Well Sampling Data

Sampling Date 10/17/2007
Sampling Time 9:47
Sampling Equipment disposable teflon bailer
Sample Observations turbid

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-33

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location: TOC
Well Casing Volume: 1.2
Depth to Water (ft): 18.22
Depth to Base of Well (ft): 25.30
(well casing volume = water column*0.174)
Water Column (ft): 7.08
Equipment Used to Measure Depths: Electric Water Level Probe

Well Purging Data

Date: 10/16/2007
Purging Equipment: Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	15:23	8.26	20.2	79
	1.2	15:25	7.79	20.9	81
	Dry				
Final					

Well Sampling Data

Sampling Date: 10/17/2007
Sampling Time: 9:53
Sampling Equipment: disposable teflon bailer
Sample Observations: clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-33A

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 8.0
Depth to Water (ft) 18.36
Depth to Base of Well (ft) 64.55
(well casing volume = water column*0.174)
Water Column (ft) 46.19
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/16/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	15:21	8.45	22.2	120
	8.0	15:26	8.26	18.3	146
	16.0	15:31	8.66	20.0	145
Final	24.0	15:36	9.02	20.2	138

Well Sampling Data

Sampling Date 10/17/2007
Sampling Time 9:57
Sampling Equipment disposable teflon bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-34

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 0.8
Depth to Water (ft) 30.58
Depth to Base of Well (ft) 35.27 (well casing volume = water column*0.174)
Water Column (ft) 4.69
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/16/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	15:48	9.77	22.8	32
	0.8	15:50	8.68	20.8	30
	1.60	15:52	8.74	21.2	28
Final	2.4	15:54	8.62	21.0	29

Well Sampling Data

Sampling Date 10/17/2007
Sampling Time 10:15
Sampling Equipment disposable teflon bailer
Sample Observations

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-35

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 0.4
Depth to Water (ft) 34.70
Depth to Base of Well (ft) 37.25 (well casing volume = water column*0.174)
Water Column (ft) 2.55
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/16/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	16:01	7.86	20.7	10
	0.4	16:02	7.20	19.8	12
	0.8	16:04	6.90	17.3	14
Final	DRY				

Well Sampling Data

Sampling Date 10/17/2007
Sampling Time 10:22
Sampling Equipment disposable teflon bailer
Sample Observations

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Lincoln County Landfill
Project Location: Crouse, North Carolina
Project Number: 1356-07-004

Well ID MW-35A

Sampling Personnel (1) Tom Steelman (2) Jimmy Addis
Weather Conditions
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 5.9
Depth to Water (ft) 35.96
Depth to Base of Well (ft) 69.69 (well casing volume = water column*0.174)
Water Column (ft) 33.73
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 10/16/2007 Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	16:00	8.31	23.0	40
	5.9	16:05	7.41	18.2	38
	11.8	16:10	7.66	21.3	36
Final	17.7	16:15	7.95	20.0	39

Well Sampling Data

Sampling Date 10/17/2007
Sampling Time 10:26
Sampling Equipment disposable teflon bailer
Sample Observations

Analytical Data

Method	Container Type and No.	Preservation
Appendix I Organics	(3) 40 ml glass vials	HCL
Appendix I Metals	(1) 250 ml plastic bottles	HNO3

Comments

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

Friday, November 16, 2007

S&ME, Inc. (SM002)

Attn: Courtney Withers

9751 Southern Pine Blvd.

Charlotte, NC 28273

RE: Laboratory Results for
Project Number: 1356-07-004, Project Name/Desc: Lincoln County LF - App Is
ENCO Workorder: C713612

Dear Courtney Withers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, October 18, 2007.

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

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

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

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

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 96.

CASE NARRATIVE

Date: November 16, 2007

Client: S & ME, Inc.

Project #: Lincoln County Landfill

Lab ID: C713612

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Samples

Arsenic The Method Blank had a positive detection for Arsenic; however, the concentration in the Method Blank is less than 10% of the sample result, which is allowable under NELAC guidelines.

Other Comments

The Acetone detections have been confirmed although the analyte has been determined to be a possible lab artifact.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative. Should there be any questions regarding this package, please feel free to contact the undersigned for additional information.

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-MW1A **Lab ID: C713612-01** **Sampled: 10/16/07 08:18** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/13/08	10/19/07 09:34	10/24/2007 11:49
EPA 6020	04/13/08	10/19/07 09:44	10/26/2007 11:18
EPA 7470A	11/13/07	10/22/07 09:02	10/23/2007 13:39
EPA 8260B	10/30/07	10/21/07 13:54	10/22/2007 16:43

Client ID: 5503-MW9 **Lab ID: C713612-02** **Sampled: 10/16/07 10:15** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/13/08	10/19/07 09:34	10/24/2007 12:42
EPA 6020	04/13/08	10/19/07 09:44	10/26/2007 11:05
EPA 8260B	10/30/07	10/21/07 13:54	10/22/2007 17:12

Client ID: 5503-MW10R **Lab ID: C713612-03** **Sampled: 10/16/07 09:53** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/13/08	10/19/07 09:34	10/24/2007 12:49
EPA 6020	04/13/08	10/19/07 09:44	10/26/2007 11:20
EPA 8260B	10/30/07	10/26/07 11:20	10/26/2007 17:45

Client ID: 5503-MW12 **Lab ID: C713612-04** **Sampled: 10/16/07 10:38** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/13/08	10/19/07 09:34	10/24/2007 12:56
EPA 6020	04/13/08	10/19/07 09:44	10/26/2007 11:22
EPA 8260B	10/30/07	10/26/07 11:20	10/26/2007 18:15

Client ID: 5503-MW13 **Lab ID: C713612-05** **Sampled: 10/17/07 08:48** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 13:03
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 11:25
EPA 8260B	10/31/07	10/26/07 15:17	10/28/2007 00:25

Client ID: 5503-MW14 **Lab ID: C713612-06** **Sampled: 10/17/07 08:55** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 13:09
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 11:27
EPA 8260B	10/31/07	10/26/07 15:17	10/28/2007 00:55

Client ID: 5503-MW15	Lab ID: C713612-07	Sampled: 10/17/07 09:30	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 13:45
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 11:30
EPA 8260B	10/31/07	10/28/07 09:05	10/29/2007 02:21

Client ID: 5503-MW16R	Lab ID: C713612-08	Sampled: 10/17/07 08:25	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 13:52
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 11:32
EPA 8260B	10/31/07	10/28/07 09:05	10/29/2007 02:50

Client ID: 5503-MW17	Lab ID: C713612-09	Sampled: 10/16/07 08:30	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/13/08	10/19/07 09:34	10/24/2007 13:59
EPA 6020	04/13/08	10/19/07 09:44	10/26/2007 11:34
EPA 8260B	10/30/07	10/26/07 11:20	10/26/2007 18:44

Client ID: 5503-MW18	Lab ID: C713612-10	Sampled: 10/17/07 09:05	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 14:06
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 11:37
EPA 8260B	10/31/07	10/28/07 07:53	10/29/2007 06:15

Client ID: 5503-MW19	Lab ID: C713612-11	Sampled: 10/17/07 09:12	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 14:13
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 11:39
EPA 8260B	10/31/07	10/28/07 07:53	10/29/2007 06:44

Client ID: 5503-MW20	Lab ID: C713612-12	Sampled: 10/17/07 08:37	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 14:20
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 11:52
EPA 8260B	10/31/07	10/28/07 07:53	10/29/2007 07:13

Client ID: 5503-MW21	Lab ID: C713612-13	Sampled: 10/17/07 09:40	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 14:27
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 11:55
EPA 8260B	10/31/07	10/28/07 07:53	10/29/2007 07:42

Client ID: 5503-MW24	Lab ID: C713612-14	Sampled: 10/16/07 10:26	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/13/08	10/19/07 09:34	10/24/2007 14:34
EPA 6020	04/13/08	10/19/07 09:44	10/26/2007 11:57
EPA 8260B	10/30/07	10/26/07 11:20	10/26/2007 19:14

Client ID: 5503-MW25	Lab ID: C713612-15	Sampled: 10/16/07 09:30	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/13/08	10/19/07 09:34	10/24/2007 14:41
EPA 6020	04/13/08	10/19/07 09:44	10/26/2007 11:59
EPA 8260B	10/30/07	10/26/07 11:20	10/26/2007 19:43

Client ID: 5503-MW25A	Lab ID: C713612-16	Sampled: 10/16/07 09:35	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/13/08	10/19/07 09:34	10/24/2007 14:48
EPA 6020	04/13/08	10/19/07 09:44	10/26/2007 12:02
EPA 8260B	10/30/07	10/26/07 11:20	10/26/2007 20:13

Client ID: 5503-MW32R	Lab ID: C713612-17	Sampled: 10/17/07 09:47	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 15:09
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 12:04
EPA 8260B	10/31/07	10/29/07 21:19	10/30/2007 07:53

Client ID: 5503-MW33	Lab ID: C713612-18	Sampled: 10/17/07 09:53	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 15:16
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 12:07
EPA 8260B	10/31/07	10/29/07 21:19	10/30/2007 08:22

Client ID: 5503-MW33A	Lab ID: C713612-19	Sampled: 10/17/07 09:57	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 15:23
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 12:09
EPA 8260B	10/31/07	10/29/07 21:19	10/30/2007 08:51

Client ID: 5503-MW34	Lab ID: C713612-20	Sampled: 10/17/07 10:15	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:34	10/24/2007 15:30
EPA 6020	04/14/08	10/19/07 09:44	10/26/2007 12:12
EPA 8260B	10/31/07	10/29/07 14:44	10/30/2007 09:21

Client ID: 5503-MW35	Lab ID: C713612-21	Sampled: 10/17/07 10:22	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:38	10/23/2007 14:16
EPA 6020	04/14/08	10/19/07 09:49	10/26/2007 10:06
EPA 8260B	10/31/07	10/29/07 14:44	10/30/2007 09:50

Client ID: 5503-MW35A	Lab ID: C713612-22	Sampled: 10/17/07 10:26	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	04/14/08	10/19/07 09:38	10/23/2007 14:23
EPA 6020	04/14/08	10/19/07 09:49	10/26/2007 10:09
EPA 8260B	10/31/07	10/29/07 14:44	10/30/2007 10:19

Client ID: 5503-Trip Blank	Lab ID: C713612-23	Sampled: 10/16/07 00:00	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	10/30/07	10/26/07 11:20	10/26/2007 20:42

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5503-MW1A **Lab ID: C713612-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	28.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chloroform	13		1	0.16	1.0	5	ug/L	EPA 8260B	
Chromium	7.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	2.70	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Iron	540		1	20	50	300	ug/L	EPA 6010B	
Manganese	11.0	J	1	1.4	10.0	50	ug/L	EPA 6010B	
Nickel	9.6	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.069	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	1.0	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	10.1		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW9 **Lab ID: C713612-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	28.7	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Zinc	2.3	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW10R **Lab ID: C713612-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	65.5	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	11.4		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	3.2	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	1.10	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	2.5	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	5.0	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.077	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	27.7		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	29.1		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW12 **Lab ID: C713612-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	2.5	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	169		1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	23.7		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	4.0	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.099	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	63.8		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW13 **Lab ID: C713612-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	22		1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.88	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Acetone	20	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Arsenic	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	63.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	3.8		1	0.12	1.0	1	ug/L	EPA 8260B	
Chloroethane	4.9	J	1	0.40	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	2.1	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	146		1	2.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW13 **Lab ID: C713612-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Nickel	11.0	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	1.4		1	0.25	1.0	1	ug/L	EPA 8260B	
Thallium	1.05	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Trichloroethene	1.5		1	0.23	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	1.6		1	0.15	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	1.0	J	1	0.21	1.0	5	ug/L	EPA 8260B	
Zinc	21.1		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW14 **Lab ID: C713612-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	3.0	J	1	0.090	1.0	5	ug/L	EPA 8260B	
Antimony	0.80	J	1	0.68	2.00	6	ug/L	EPA 6020	
Barium	24.3	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	0.80	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Thallium	0.055	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	18.9		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW15 **Lab ID: C713612-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.2	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	73.9	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Lead	2.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.038	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	1.8	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	7.2	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW16R **Lab ID: C713612-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	6.7		1	0.090	1.0	5	ug/L	EPA 8260B	
Acetone	6.5	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	378		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	4.2		1	0.12	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.62	J	1	0.16	1.0	3	ug/L	EPA 8260B	
Chloroethane	2.1	J	1	0.40	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	2.1	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	25.7		1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	6.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Methylene chloride	10		1	0.088	2.0	1	ug/L	EPA 8260B	
Nickel	18.1	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	1.98	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vinyl chloride	0.95	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	12		1	0.21	1.0	5	ug/L	EPA 8260B	
Zinc	59.0		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW17 **Lab ID: C713612-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	2.8	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	53.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	2.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	5.5	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Trichloroethene	0.39	J	1	0.23	1.0	1	ug/L	EPA 8260B	

Client ID: 5503-MW17 **Lab ID: C713612-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Zinc	11.3		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW18 **Lab ID: C713612-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	6.3	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	47.2	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	4.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	2.4	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.126	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	8.4	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW19 **Lab ID: C713612-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	5.2		1	0.090	1.0	5	ug/L	EPA 8260B	
Acetone	8.9	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	20.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
cis-1,2-Dichloroethene	0.30	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Methylene chloride	4.0		1	0.088	2.0	1	ug/L	EPA 8260B	
Tetrachloroethene	0.85	J	1	0.25	1.0	1	ug/L	EPA 8260B	
Trichloroethene	0.62	J	1	0.23	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	0.40	J	1	0.16	1.0	1	ug/L	EPA 8260B	
Vanadium	1.1	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	4.3	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW20 **Lab ID: C713612-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	19		1	0.090	1.0	5	ug/L	EPA 8260B	
Acetone	7.9	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	67.1	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	1.4		1	0.12	1.0	1	ug/L	EPA 8260B	
Chloroethane	3.0	J	1	0.40	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.8	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Methylene chloride	11		1	0.088	2.0	1	ug/L	EPA 8260B	
Nickel	2.4	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	1.3		1	0.25	1.0	1	ug/L	EPA 8260B	
Trichloroethene	1.8		1	0.23	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	1.1		1	0.15	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	3.0	J	1	0.21	1.0	5	ug/L	EPA 8260B	
Zinc	4.6	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW21 **Lab ID: C713612-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	7.8	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	38.9	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Vanadium	1.6	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	2.5	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW24 **Lab ID: C713612-14**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	2.2	J	1	0.90	5.0	100	ug/L	EPA 8260B	

Client ID: 5503-MW24 **Lab ID: C713612-14**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	44.3	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Vanadium	1.8	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	8.7	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW25 **Lab ID: C713612-15**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	2.1	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	116		1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	3.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.037	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	12.6		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW25A **Lab ID: C713612-16**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	3.0	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Antimony	1.87	J	1	0.68	2.00	6	ug/L	EPA 6020	
Barium	35.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	4.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Vanadium	2.5	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	5.0	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW32R **Lab ID: C713612-17**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	6.4	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	265		1	0.20	10.0	100	ug/L	EPA 6010B	
Beryllium	1.10		1	0.70	1.00	1	ug/L	EPA 6010B	
Lead	19.0		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	5.5	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.233	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	15.0	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	50.9		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW33 **Lab ID: C713612-18**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	5.9	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	49.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Zinc	4.9	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW33A **Lab ID: C713612-19**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	14	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	10.5	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Zinc	8.9	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW34 **Lab ID: C713612-20**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	6.0	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	93.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	3.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.100	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	10.4		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW35 **Lab ID: C713612-21**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	7.6	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	59.0	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.209	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	4.1	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	11.9		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW35A **Lab ID: C713612-22**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	28	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Arsenic	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	44.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	4.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	1.10	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Vanadium	6.2	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	5.4	J	1	1.0	10.0	10	ug/L	EPA 6010B	

www.encolabs.com

ANALYTICAL RESULTS

Description: 5503-MW1A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-01
Sampled: 10/16/07 08:18
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 16:43	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/07 16:43	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/22/07 16:43	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 16:43	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/22/07 16:43	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/22/07 16:43	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/22/07 16:43	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/22/07 16:43	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/22/07 16:43	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/22/07 16:43	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/22/07 16:43	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/22/07 16:43	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/22/07 16:43	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/22/07 16:43	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/22/07 16:43	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/22/07 16:43	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/22/07 16:43	jkg	
Chloroform [67-66-3] *	**13**		ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 16:43	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 16:43	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/22/07 16:43	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/22/07 16:43	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/22/07 16:43	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/22/07 16:43	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/22/07 16:43	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/22/07 16:43	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/22/07 16:43	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/22/07 16:43	jkg	

www.encolabs.com

Description: 5503-MW1A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-01
Sampled: 10/16/07 08:18
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/22/07 16:43	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 16:43	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/22/07 16:43	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*79 %*	*53-138*	*7J21001*	*EPA 8260B*	*10/22/07 16:43*	*jkg*	
Dibromofluoromethane	*39*	*1*	*50.0*	*78 %*	*65-110*	*7J21001*	*EPA 8260B*	*10/22/07 16:43*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J21001*	*EPA 8260B*	*10/22/07 16:43*	*jkg*	

www.encolabs.com

Description: 5503-MW1A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-01
Sampled: 10/16/07 08:18
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:18	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 11:49	VLO	
Barium [7440-39-3] *	**28.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 11:49	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 11:49	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 11:49	VLO	
Chromium [7440-47-3] *	**7.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 11:49	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 11:49	VLO	
Copper [7440-50-8] *	**2.70**	J	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 11:49	VLO	
Iron [7439-89-6] *	**540**		ug/L	1	20	50	300	EPA 6010B	10/24/07 11:49	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 11:49	VLO	
Manganese [7439-96-5] *	**11.0**	J	ug/L	1	1.4	10.0	50	EPA 6010B	10/24/07 11:49	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:39	VLO	
Nickel [7440-02-0] *	**9.6**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 11:49	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 11:49	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 11:49	VLO	
Thallium [7440-28-0] *	**0.069**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:18	JDH	
Vanadium [7440-62-2] *	**1.0**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 11:49	VLO	
Zinc [7440-66-6] *	**10.1**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 11:49	VLO	

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

www.encolabs.com

Description: 5503-MW9
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-02
Sampled: 10/16/07 10:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 17:12	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/07 17:12	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/22/07 17:12	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 17:12	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/22/07 17:12	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/22/07 17:12	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/22/07 17:12	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/22/07 17:12	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/22/07 17:12	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/22/07 17:12	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/22/07 17:12	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/22/07 17:12	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/22/07 17:12	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/22/07 17:12	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/22/07 17:12	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/22/07 17:12	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/22/07 17:12	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 17:12	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 17:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/22/07 17:12	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/22/07 17:12	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/22/07 17:12	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/22/07 17:12	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/22/07 17:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/22/07 17:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/22/07 17:12	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 17:12	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/22/07 17:12	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 17:12	jkg	

www.encolabs.com

Description: 5503-MW9
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-02
Sampled: 10/16/07 10:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/22/07 17:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*77 %*	*53-138*	*7J21001*	*EPA 8260B*	*10/22/07 17:12*	*jkg*	
Dibromofluoromethane	*38*	*1*	*50.0*	*76 %*	*65-110*	*7J21001*	*EPA 8260B*	*10/22/07 17:12*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J21001*	*EPA 8260B*	*10/22/07 17:12*	*jkg*	

www.encolabs.com

Description: 5503-MW9
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-02
Sampled: 10/16/07 10:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:05	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:42	VLO	
Barium [7440-39-3] *	**28.7**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 12:42	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 12:42	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 12:42	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:42	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:42	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 12:42	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:42	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 12:42	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:42	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:42	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:05	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 12:42	VLO	
Zinc [7440-66-6] *	**2.3**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 12:42	VLO	

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

www.encolabs.com

Description: 5503-MW10R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-03
Sampled: 10/16/07 09:53
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 17:45	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/26/07 17:45	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/26/07 17:45	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 17:45	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/26/07 17:45	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/26/07 17:45	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/26/07 17:45	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/26/07 17:45	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/26/07 17:45	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/26/07 17:45	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/26/07 17:45	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/26/07 17:45	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/26/07 17:45	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/26/07 17:45	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/26/07 17:45	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/26/07 17:45	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/26/07 17:45	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 17:45	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 17:45	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/26/07 17:45	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/26/07 17:45	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/26/07 17:45	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/26/07 17:45	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/26/07 17:45	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/26/07 17:45	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/26/07 17:45	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 17:45	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/26/07 17:45	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 17:45	jkg	

www.encolabs.com

Description: 5503-MW10R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-03
Sampled: 10/16/07 09:53
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/26/07 17:45	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*85 %*	*53-138*	*7J26012*	*EPA 8260B*	*10/26/07 17:45*	*jkg*	
Dibromofluoromethane	*36*	*1*	*50.0*	*72 %*	*65-110*	*7J26012*	*EPA 8260B*	*10/26/07 17:45*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*72-114*	*7J26012*	*EPA 8260B*	*10/26/07 17:45*	*jkg*	

www.encolabs.com

Description: 5503-MW10R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-03
Sampled: 10/16/07 09:53
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:20	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:49	VLO	
Barium [7440-39-3] *	**65.5**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 12:49	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 12:49	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 12:49	VLO	
Chromium [7440-47-3] *	**11.4**		ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:49	VLO	
Cobalt [7440-48-4] *	**3.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:49	VLO	
Copper [7440-50-8] *	**1.10**	J	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 12:49	VLO	
Lead [7439-92-1] *	**2.5**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:49	VLO	
Nickel [7440-02-0] *	**5.0**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 12:49	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:49	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:49	VLO	
Thallium [7440-28-0] *	**0.077**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:20	JDH	
Vanadium [7440-62-2] *	**27.7**		ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 12:49	VLO	
Zinc [7440-66-6] *	**29.1**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 12:49	VLO	

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

www.encolabs.com

Description: 5503-MW12
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-04
Sampled: 10/16/07 10:38
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 18:15	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/26/07 18:15	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/26/07 18:15	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 18:15	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/26/07 18:15	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/26/07 18:15	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/26/07 18:15	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/26/07 18:15	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/26/07 18:15	jkg	
Acetone [67-64-1] *	**2.5**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/26/07 18:15	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/26/07 18:15	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/26/07 18:15	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/26/07 18:15	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/26/07 18:15	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/26/07 18:15	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/26/07 18:15	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/26/07 18:15	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 18:15	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 18:15	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/26/07 18:15	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/26/07 18:15	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/26/07 18:15	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/26/07 18:15	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/26/07 18:15	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/26/07 18:15	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/26/07 18:15	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 18:15	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/26/07 18:15	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 18:15	jkg	

www.encolabs.com

Description: 5503-MW12
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-04
Sampled: 10/16/07 10:38
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/26/07 18:15	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-138*	*7J26012*	*EPA 8260B*	*10/26/07 18:15*	*jkg*	
Dibromofluoromethane	*35*	*1*	*50.0*	*70 %*	*65-110*	*7J26012*	*EPA 8260B*	*10/26/07 18:15*	*jkg*	
Toluene-d8	*39*	*1*	*50.0*	*78 %*	*72-114*	*7J26012*	*EPA 8260B*	*10/26/07 18:15*	*jkg*	

www.encolabs.com

Description: 5503-MW12
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-04
Sampled: 10/16/07 10:38
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:22	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:56	VLO	
Barium [7440-39-3] *	**169**		ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 12:56	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 12:56	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 12:56	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:56	VLO	
Cobalt [7440-48-4] *	**23.7**		ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:56	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 12:56	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:56	VLO	
Nickel [7440-02-0] *	**4.0**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 12:56	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:56	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 12:56	VLO	
Thallium [7440-28-0] *	**0.099**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:22	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 12:56	VLO	
Zinc [7440-66-6] *	**63.8**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 12:56	VLO	

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

www.encolabs.com

Description: 5503-MW13
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-05
Sampled: 10/17/07 08:48
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/28/07 00:25	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/28/07 00:25	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
1,1-Dichloroethane [75-34-3] *	**22**		ug/L	1	0.090	1.0	5	EPA 8260B	10/28/07 00:25	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/28/07 00:25	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/28/07 00:25	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/28/07 00:25	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
1,4-Dichlorobenzene [106-46-7] *	**0.88**	J	ug/L	1	0.15	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/28/07 00:25	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/28/07 00:25	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/28/07 00:25	jkg	
Acetone [67-64-1] *	**20**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/28/07 00:25	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/28/07 00:25	jkg	
Benzene [71-43-2] *	**3.8**		ug/L	1	0.12	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/28/07 00:25	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/28/07 00:25	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/28/07 00:25	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/28/07 00:25	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/28/07 00:25	jkg	
Chloroethane [75-00-3] *	**4.9**	J	ug/L	1	0.40	1.0	10	EPA 8260B	10/28/07 00:25	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/28/07 00:25	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**2.1**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/28/07 00:25	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/28/07 00:25	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/28/07 00:25	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/28/07 00:25	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/28/07 00:25	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Tetrachloroethene [127-18-4] *	**1.4**		ug/L	1	0.25	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/28/07 00:25	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/28/07 00:25	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/28/07 00:25	jkg	
Trichloroethene [79-01-6] *	**1.5**		ug/L	1	0.23	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/28/07 00:25	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/28/07 00:25	jkg	
Vinyl chloride [75-01-4] *	**1.6**		ug/L	1	0.15	1.0	1	EPA 8260B	10/28/07 00:25	jkg	

www.encolabs.com

Description: 5503-MW13
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-05
Sampled: 10/17/07 08:48
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	**1.0**	J	ug/L	1	0.21	1.0	5	EPA 8260B	10/28/07 00:25	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*76 %*	*53-138*	*7J26021*	*EPA 8260B*	*10/28/07 00:25*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*65-110*	*7J26021*	*EPA 8260B*	*10/28/07 00:25*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*72-114*	*7J26021*	*EPA 8260B*	*10/28/07 00:25*	*jkg*	

www.encolabs.com

Description: 5503-MW13
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-05
Sampled: 10/17/07 08:48
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:25	JDH	
Arsenic [7440-38-2] *	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:03	VLO	
Barium [7440-39-3] *	**63.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 13:03	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 13:03	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 13:03	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:03	VLO	
Cobalt [7440-48-4] *	**146**		ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:03	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 13:03	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:03	VLO	
Nickel [7440-02-0] *	**11.0**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 13:03	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:03	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:03	VLO	
Thallium [7440-28-0] *	**1.05**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:25	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 13:03	VLO	
Zinc [7440-66-6] *	**21.1**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 13:03	VLO	

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

www.encolabs.com

Description: 5503-MW14
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-06
Sampled: 10/17/07 08:55
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/28/07 00:55	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/28/07 00:55	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
1,1-Dichloroethane [75-34-3] *	**3.0**	J	ug/L	1	0.090	1.0	5	EPA 8260B	10/28/07 00:55	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/28/07 00:55	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/28/07 00:55	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/28/07 00:55	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/28/07 00:55	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/28/07 00:55	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/28/07 00:55	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/28/07 00:55	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/28/07 00:55	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/28/07 00:55	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/28/07 00:55	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/28/07 00:55	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/28/07 00:55	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/28/07 00:55	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/28/07 00:55	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/28/07 00:55	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/28/07 00:55	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/28/07 00:55	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/28/07 00:55	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/28/07 00:55	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/28/07 00:55	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/28/07 00:55	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/28/07 00:55	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/28/07 00:55	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/28/07 00:55	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/28/07 00:55	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/28/07 00:55	jkg	

www.encolabs.com

Description: 5503-MW14
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-06
Sampled: 10/17/07 08:55
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/28/07 00:55	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*74 %*	*53-138*	*7J26021*	*EPA 8260B*	*10/28/07 00:55*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*97 %*	*65-110*	*7J26021*	*EPA 8260B*	*10/28/07 00:55*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*72-114*	*7J26021*	*EPA 8260B*	*10/28/07 00:55*	*jkg*	

www.encolabs.com

Description: 5503-MW14
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-06
Sampled: 10/17/07 08:55
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	**0.80**	J	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:27	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:09	VLO	
Barium [7440-39-3] *	**24.3**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 13:09	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 13:09	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 13:09	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:09	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:09	VLO	
Copper [7440-50-8] *	**0.80**	J	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 13:09	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:09	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 13:09	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:09	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:09	VLO	
Thallium [7440-28-0] *	**0.055**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:27	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 13:09	VLO	
Zinc [7440-66-6] *	**18.9**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 13:09	VLO	

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

www.encolabs.com

Description: 5503-MW15
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-07
Sampled: 10/17/07 09:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 02:21	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 02:21	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 02:21	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 02:21	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 02:21	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 02:21	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 02:21	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 02:21	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 02:21	jkg	
Acetone [67-64-1] *	**4.2**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 02:21	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 02:21	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 02:21	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 02:21	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 02:21	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 02:21	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 02:21	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 02:21	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 02:21	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 02:21	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 02:21	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 02:21	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 02:21	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 02:21	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 02:21	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 02:21	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 02:21	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 02:21	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 02:21	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 02:21	jkg	

www.encolabs.com

Description: 5503-MW15
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-07
Sampled: 10/17/07 09:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 02:21	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 02:21*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 02:21*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 02:21*	*jkg*	

www.encolabs.com

Description: 5503-MW15
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-07
Sampled: 10/17/07 09:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:30	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:45	VLO	
Barium [7440-39-3] *	**73.9**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 13:45	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 13:45	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 13:45	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:45	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:45	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 13:45	VLO	
Lead [7439-92-1] *	**2.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:45	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 13:45	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:45	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:45	VLO	
Thallium [7440-28-0] *	**0.038**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:30	JDH	
Vanadium [7440-62-2] *	**1.8**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 13:45	VLO	
Zinc [7440-66-6] *	**7.2**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 13:45	VLO	

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

www.encolabs.com

Description: 5503-MW16R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-08
Sampled: 10/17/07 08:25
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 02:50	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 02:50	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
1,1-Dichloroethane [75-34-3] *	**6.7**		ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 02:50	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 02:50	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 02:50	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 02:50	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 02:50	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 02:50	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 02:50	jkg	
Acetone [67-64-1] *	**6.5**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 02:50	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 02:50	jkg	
Benzene [71-43-2] *	**4.2**		ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 02:50	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 02:50	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 02:50	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 02:50	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Chlorobenzene [108-90-7] *	**0.62**	J	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 02:50	jkg	
Chloroethane [75-00-3] *	**2.1**	J	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 02:50	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 02:50	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**2.1**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 02:50	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 02:50	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 02:50	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 02:50	jkg	
Methylene chloride [75-09-2] *	**10**		ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 02:50	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 02:50	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 02:50	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 02:50	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 02:50	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 02:50	jkg	
Vinyl chloride [75-01-4] *	**0.95**	J	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 02:50	jkg	

www.encolabs.com

Description: 5503-MW16R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-08
Sampled: 10/17/07 08:25
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	**12**		ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 02:50	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 02:50*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 02:50*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 02:50*	*jkg*	

www.encolabs.com

Description: 5503-MW16R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-08
Sampled: 10/17/07 08:25
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:32	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:52	VLO	
Barium [7440-39-3] *	**378**		ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 13:52	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 13:52	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 13:52	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:52	VLO	
Cobalt [7440-48-4] *	**25.7**		ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:52	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 13:52	VLO	
Lead [7439-92-1] *	**6.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:52	VLO	
Nickel [7440-02-0] *	**18.1**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 13:52	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:52	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:52	VLO	
Thallium [7440-28-0] *	**1.98**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:32	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 13:52	VLO	
Zinc [7440-66-6] *	**59.0**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 13:52	VLO	

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

www.encolabs.com

Description: 5503-MW17
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-09
Sampled: 10/16/07 08:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 18:44	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/26/07 18:44	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/26/07 18:44	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 18:44	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/26/07 18:44	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/26/07 18:44	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/26/07 18:44	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/26/07 18:44	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/26/07 18:44	jkg	
Acetone [67-64-1] *	**2.8**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/26/07 18:44	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/26/07 18:44	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/26/07 18:44	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/26/07 18:44	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/26/07 18:44	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/26/07 18:44	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/26/07 18:44	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/26/07 18:44	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 18:44	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 18:44	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/26/07 18:44	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/26/07 18:44	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/26/07 18:44	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/26/07 18:44	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/26/07 18:44	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/26/07 18:44	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/26/07 18:44	jkg	
Trichloroethene [79-01-6] *	**0.39**	J	ug/L	1	0.23	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 18:44	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/26/07 18:44	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 18:44	jkg	

www.encolabs.com

Description: 5503-MW17
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-09
Sampled: 10/16/07 08:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/26/07 18:44	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*53-138*	*7J26012*	*EPA 8260B*	*10/26/07 18:44*	*jkg*	
Dibromofluoromethane	*35*	*1*	*50.0*	*70 %*	*65-110*	*7J26012*	*EPA 8260B*	*10/26/07 18:44*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*79 %*	*72-114*	*7J26012*	*EPA 8260B*	*10/26/07 18:44*	*jkg*	

www.encolabs.com

Description: 5503-MW17
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-09
Sampled: 10/16/07 08:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:34	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:59	VLO	
Barium [7440-39-3] *	**53.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 13:59	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 13:59	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 13:59	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:59	VLO	
Cobalt [7440-48-4] *	**2.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:59	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 13:59	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:59	VLO	
Nickel [7440-02-0] *	**5.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 13:59	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:59	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 13:59	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:34	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 13:59	VLO	
Zinc [7440-66-6] *	**11.3**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 13:59	VLO	

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

www.encolabs.com

Description: 5503-MW18
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-10
Sampled: 10/17/07 09:05
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 06:15	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 06:15	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 06:15	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 06:15	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 06:15	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 06:15	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 06:15	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 06:15	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 06:15	jkg	
Acetone [67-64-1] *	**6.3**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 06:15	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 06:15	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 06:15	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 06:15	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 06:15	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 06:15	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 06:15	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 06:15	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 06:15	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 06:15	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 06:15	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 06:15	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 06:15	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 06:15	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 06:15	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 06:15	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 06:15	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 06:15	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 06:15	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 06:15	jkg	

www.encolabs.com

Description: 5503-MW18
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-10
Sampled: 10/17/07 09:05
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 06:15	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 06:15*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 06:15*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 06:15*	*jkg*	

www.encolabs.com

Description: 5503-MW18
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-10
Sampled: 10/17/07 09:05
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:37	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:06	VLO	
Barium [7440-39-3] *	**47.2**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 14:06	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 14:06	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 14:06	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:06	VLO	
Cobalt [7440-48-4] *	**4.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:06	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 14:06	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:06	VLO	
Nickel [7440-02-0] *	**2.4**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 14:06	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:06	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:06	VLO	
Thallium [7440-28-0] *	**0.126**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:37	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 14:06	VLO	
Zinc [7440-66-6] *	**8.4**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 14:06	VLO	

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

www.encolabs.com

Description: 5503-MW19
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-11
Sampled: 10/17/07 09:12
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 06:44	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 06:44	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
1,1-Dichloroethane [75-34-3] *	**5.2**		ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 06:44	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 06:44	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 06:44	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 06:44	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 06:44	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 06:44	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 06:44	jkg	
Acetone [67-64-1] *	**8.9**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 06:44	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 06:44	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 06:44	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 06:44	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 06:44	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 06:44	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 06:44	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 06:44	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 06:44	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**0.30**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 06:44	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 06:44	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 06:44	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 06:44	jkg	
Methylene chloride [75-09-2] *	**4.0**		ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 06:44	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Tetrachloroethene [127-18-4] *	**0.85**	J	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 06:44	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 06:44	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 06:44	jkg	
Trichloroethene [79-01-6] *	**0.62**	J	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Trichlorofluoromethane [75-69-4] *	**0.40**	J	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 06:44	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 06:44	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 06:44	jkg	

www.encolabs.com

Description: 5503-MW19
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-11
Sampled: 10/17/07 09:12
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 06:44	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 06:44*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 06:44*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 06:44*	*jkg*	

www.encolabs.com

Description: 5503-MW19
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-11
Sampled: 10/17/07 09:12
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:39	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:13	VLO	
Barium [7440-39-3] *	**20.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 14:13	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 14:13	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 14:13	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:13	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:13	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 14:13	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:13	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 14:13	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:13	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:13	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:39	JDH	
Vanadium [7440-62-2] *	**1.1**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 14:13	VLO	
Zinc [7440-66-6] *	**4.3**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 14:13	VLO	

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

www.encolabs.com

Description: 5503-MW20 | **Lab Sample ID:** C713612-12 | **Received:** 10/18/07 12:00
Matrix: Ground Water | **Sampled:** 10/17/07 08:37 | **Work Order:** C713612
Project: Lincoln County LF - App Is | **Sampled By:** Tom Steelman

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 07:13	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 07:13	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
1,1-Dichloroethane [75-34-3] *	**19**		ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 07:13	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 07:13	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 07:13	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 07:13	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 07:13	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 07:13	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 07:13	jkg	
Acetone [67-64-1] *	**7.9**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 07:13	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 07:13	jkg	
Benzene [71-43-2] *	**1.4**		ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 07:13	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 07:13	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 07:13	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 07:13	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 07:13	jkg	
Chloroethane [75-00-3] *	**3.0**	J	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 07:13	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 07:13	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**1.8**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 07:13	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 07:13	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 07:13	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 07:13	jkg	
Methylene chloride [75-09-2] *	**11**		ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 07:13	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Tetrachloroethene [127-18-4] *	**1.3**		ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 07:13	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 07:13	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 07:13	jkg	
Trichloroethene [79-01-6] *	**1.8**		ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 07:13	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 07:13	jkg	
Vinyl chloride [75-01-4] *	**1.1**		ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 07:13	jkg	

www.encolabs.com

Description: 5503-MW20
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-12
Sampled: 10/17/07 08:37
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	**3.0**	J	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 07:13	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 07:13*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 07:13*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 07:13*	*jkg*	

www.encolabs.com

Description: 5503-MW20
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-12
Sampled: 10/17/07 08:37
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:52	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:20	VLO	
Barium [7440-39-3] *	**67.1**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 14:20	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 14:20	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 14:20	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:20	VLO	
Cobalt [7440-48-4] *	**2.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:20	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 14:20	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:20	VLO	
Nickel [7440-02-0] *	**2.4**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 14:20	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:20	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:20	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:52	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 14:20	VLO	
Zinc [7440-66-6] *	**4.6**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 14:20	VLO	

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

www.encolabs.com

Description: 5503-MW21
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-13
Sampled: 10/17/07 09:40
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 07:42	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 07:42	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 07:42	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 07:42	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 07:42	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 07:42	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 07:42	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 07:42	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 07:42	jkg	
Acetone [67-64-1] *	**7.8**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 07:42	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 07:42	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 07:42	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 07:42	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 07:42	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 07:42	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 07:42	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 07:42	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 07:42	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 07:42	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 07:42	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 07:42	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 07:42	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 07:42	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 07:42	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 07:42	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 07:42	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 07:42	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 07:42	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 07:42	jkg	

www.encolabs.com

Description: 5503-MW21
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-13
Sampled: 10/17/07 09:40
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 07:42	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 07:42*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 07:42*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 07:42*	*jkg*	

www.encolabs.com

Description: 5503-MW21
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-13
Sampled: 10/17/07 09:40
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:55	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:27	VLO	
Barium [7440-39-3] *	**38.9**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 14:27	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 14:27	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 14:27	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:27	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:27	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 14:27	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:27	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 14:27	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:27	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:27	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:55	JDH	
Vanadium [7440-62-2] *	**1.6**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 14:27	VLO	
Zinc [7440-66-6] *	**2.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 14:27	VLO	

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

www.encolabs.com

Description: 5503-MW24
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-14
Sampled: 10/16/07 10:26
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 19:14	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/26/07 19:14	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/26/07 19:14	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 19:14	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/26/07 19:14	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/26/07 19:14	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/26/07 19:14	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/26/07 19:14	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/26/07 19:14	jkg	
Acetone [67-64-1] *	**2.2**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/26/07 19:14	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/26/07 19:14	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/26/07 19:14	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/26/07 19:14	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/26/07 19:14	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/26/07 19:14	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/26/07 19:14	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/26/07 19:14	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 19:14	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 19:14	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/26/07 19:14	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/26/07 19:14	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/26/07 19:14	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/26/07 19:14	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/26/07 19:14	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/26/07 19:14	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/26/07 19:14	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 19:14	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/26/07 19:14	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 19:14	jkg	

www.encolabs.com

Description: 5503-MW24
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-14
Sampled: 10/16/07 10:26
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/26/07 19:14	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*53-138*	*7J26012*	*EPA 8260B*	*10/26/07 19:14*	*jkg*	
Dibromofluoromethane	*36*	*1*	*50.0*	*72 %*	*65-110*	*7J26012*	*EPA 8260B*	*10/26/07 19:14*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*72-114*	*7J26012*	*EPA 8260B*	*10/26/07 19:14*	*jkg*	

www.encolabs.com

Description: 5503-MW24
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-14
Sampled: 10/16/07 10:26
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:57	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:34	VLO	
Barium [7440-39-3] *	**44.3**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 14:34	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 14:34	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 14:34	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:34	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:34	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 14:34	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:34	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 14:34	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:34	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:34	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:57	JDH	
Vanadium [7440-62-2] *	**1.8**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 14:34	VLO	
Zinc [7440-66-6] *	**8.7**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 14:34	VLO	

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

www.encolabs.com

Description: 5503-MW25
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-15
Sampled: 10/16/07 09:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 19:43	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/26/07 19:43	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/26/07 19:43	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 19:43	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/26/07 19:43	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/26/07 19:43	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/26/07 19:43	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/26/07 19:43	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/26/07 19:43	jkg	
Acetone [67-64-1] *	**2.1**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/26/07 19:43	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/26/07 19:43	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/26/07 19:43	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/26/07 19:43	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/26/07 19:43	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/26/07 19:43	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/26/07 19:43	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/26/07 19:43	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 19:43	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 19:43	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/26/07 19:43	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/26/07 19:43	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/26/07 19:43	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/26/07 19:43	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/26/07 19:43	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/26/07 19:43	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/26/07 19:43	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 19:43	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/26/07 19:43	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 19:43	jkg	

www.encolabs.com

Description: 5503-MW25
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-15
Sampled: 10/16/07 09:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/26/07 19:43	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-138*	*7J26012*	*EPA 8260B*	*10/26/07 19:43*	*jkg*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*65-110*	*7J26012*	*EPA 8260B*	*10/26/07 19:43*	*jkg*	
Toluene-d8	*38*	*1*	*50.0*	*76 %*	*72-114*	*7J26012*	*EPA 8260B*	*10/26/07 19:43*	*jkg*	

www.encolabs.com

Description: 5503-MW25
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-15
Sampled: 10/16/07 09:30
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 11:59	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:41	VLO	
Barium [7440-39-3] *	**116**		ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 14:41	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 14:41	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 14:41	VLO	
Chromium [7440-47-3] *	**3.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:41	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:41	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 14:41	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:41	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 14:41	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:41	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:41	VLO	
Thallium [7440-28-0] *	**0.037**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 11:59	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 14:41	VLO	
Zinc [7440-66-6] *	**12.6**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 14:41	VLO	

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

www.encolabs.com

Description: 5503-MW25A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-16
Sampled: 10/16/07 09:35
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 20:13	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/26/07 20:13	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/26/07 20:13	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 20:13	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/26/07 20:13	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/26/07 20:13	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/26/07 20:13	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/26/07 20:13	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/26/07 20:13	jkg	
Acetone [67-64-1] *	**3.0**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/26/07 20:13	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/26/07 20:13	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/26/07 20:13	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/26/07 20:13	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/26/07 20:13	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/26/07 20:13	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/26/07 20:13	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/26/07 20:13	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 20:13	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 20:13	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/26/07 20:13	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/26/07 20:13	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/26/07 20:13	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/26/07 20:13	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/26/07 20:13	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/26/07 20:13	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/26/07 20:13	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 20:13	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/26/07 20:13	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 20:13	jkg	

www.encolabs.com

Description: 5503-MW25A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-16
Sampled: 10/16/07 09:35
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/26/07 20:13	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*53-138*	*7J26012*	*EPA 8260B*	*10/26/07 20:13*	*jkg*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*65-110*	*7J26012*	*EPA 8260B*	*10/26/07 20:13*	*jkg*	
Toluene-d8	*39*	*1*	*50.0*	*77 %*	*72-114*	*7J26012*	*EPA 8260B*	*10/26/07 20:13*	*jkg*	

www.encolabs.com

Description: 5503-MW25A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-16
Sampled: 10/16/07 09:35
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	**1.87**	J	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 12:02	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:48	VLO	
Barium [7440-39-3] *	**35.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 14:48	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 14:48	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 14:48	VLO	
Chromium [7440-47-3] *	**4.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:48	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:48	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 14:48	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:48	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 14:48	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:48	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 14:48	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 12:02	JDH	
Vanadium [7440-62-2] *	**2.5**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 14:48	VLO	
Zinc [7440-66-6] *	**5.0**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 14:48	VLO	

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

www.encolabs.com

Description: 5503-MW32R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-17
Sampled: 10/17/07 09:47
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 07:53	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/30/07 07:53	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/30/07 07:53	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 07:53	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/30/07 07:53	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/07 07:53	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/30/07 07:53	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/30/07 07:53	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/30/07 07:53	jkg	
Acetone [67-64-1] *	**6.4**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/30/07 07:53	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/30/07 07:53	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/30/07 07:53	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/30/07 07:53	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/30/07 07:53	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/30/07 07:53	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/30/07 07:53	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/30/07 07:53	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 07:53	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 07:53	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/30/07 07:53	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/07 07:53	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/30/07 07:53	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/30/07 07:53	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/30/07 07:53	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/30/07 07:53	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/30/07 07:53	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 07:53	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/30/07 07:53	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 07:53	jkg	

www.encolabs.com

Description: 5503-MW32R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-17
Sampled: 10/17/07 09:47
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/07 07:53	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*32*	*1*	*50.0*	*63 %*	*53-138*	*7J29025*	*EPA 8260B*	*10/30/07 07:53*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*65-110*	*7J29025*	*EPA 8260B*	*10/30/07 07:53*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*72-114*	*7J29025*	*EPA 8260B*	*10/30/07 07:53*	*jkg*	

www.encolabs.com

Description: 5503-MW32R
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-17
Sampled: 10/17/07 09:47
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 12:04	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:09	VLO	
Barium [7440-39-3] *	**265**		ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 15:09	VLO	
Beryllium [7440-41-7] *	**1.10**		ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 15:09	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 15:09	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:09	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:09	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 15:09	VLO	
Lead [7439-92-1] *	**19.0**		ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:09	VLO	
Nickel [7440-02-0] *	**5.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 15:09	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:09	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:09	VLO	
Thallium [7440-28-0] *	**0.233**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 12:04	JDH	
Vanadium [7440-62-2] *	**15.0**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 15:09	VLO	
Zinc [7440-66-6] *	**50.9**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 15:09	VLO	

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

www.encolabs.com

Description: 5503-MW33
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-18
Sampled: 10/17/07 09:53
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 08:22	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/30/07 08:22	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/30/07 08:22	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 08:22	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/30/07 08:22	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/07 08:22	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/30/07 08:22	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/30/07 08:22	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/30/07 08:22	jkg	
Acetone [67-64-1] *	**5.9**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/30/07 08:22	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/30/07 08:22	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/30/07 08:22	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/30/07 08:22	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/30/07 08:22	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/30/07 08:22	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/30/07 08:22	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/30/07 08:22	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 08:22	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 08:22	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/30/07 08:22	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/07 08:22	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/30/07 08:22	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/30/07 08:22	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/30/07 08:22	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/30/07 08:22	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/30/07 08:22	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 08:22	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/30/07 08:22	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 08:22	jkg	

www.encolabs.com

Description: 5503-MW33
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-18
Sampled: 10/17/07 09:53
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/07 08:22	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*53-138*	*7J29025*	*EPA 8260B*	*10/30/07 08:22*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*65-110*	*7J29025*	*EPA 8260B*	*10/30/07 08:22*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J29025*	*EPA 8260B*	*10/30/07 08:22*	*jkg*	

www.encolabs.com

Description: 5503-MW33
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-18
Sampled: 10/17/07 09:53
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 12:07	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:16	VLO	
Barium [7440-39-3] *	**49.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 15:16	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 15:16	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 15:16	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:16	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:16	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 15:16	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:16	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 15:16	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:16	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:16	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 12:07	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 15:16	VLO	
Zinc [7440-66-6] *	**4.9**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 15:16	VLO	

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

www.encolabs.com

Description: 5503-MW33A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-19
Sampled: 10/17/07 09:57
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 08:51	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/30/07 08:51	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/30/07 08:51	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 08:51	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/30/07 08:51	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/07 08:51	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/30/07 08:51	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/30/07 08:51	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/30/07 08:51	jkg	
Acetone [67-64-1] *	**14**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/30/07 08:51	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/30/07 08:51	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/30/07 08:51	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/30/07 08:51	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/30/07 08:51	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/30/07 08:51	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/30/07 08:51	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/30/07 08:51	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 08:51	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 08:51	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/30/07 08:51	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/07 08:51	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/30/07 08:51	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/30/07 08:51	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/30/07 08:51	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/30/07 08:51	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/30/07 08:51	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 08:51	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/30/07 08:51	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 08:51	jkg	

www.encolabs.com

Description: 5503-MW33A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-19
Sampled: 10/17/07 09:57
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/07 08:51	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-138*	*7J29025*	*EPA 8260B*	*10/30/07 08:51*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*65-110*	*7J29025*	*EPA 8260B*	*10/30/07 08:51*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*72-114*	*7J29025*	*EPA 8260B*	*10/30/07 08:51*	*jkg*	

www.encolabs.com

Description: 5503-MW33A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-19
Sampled: 10/17/07 09:57
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 12:09	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:23	VLO	
Barium [7440-39-3] *	**10.5**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 15:23	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 15:23	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 15:23	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:23	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:23	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 15:23	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:23	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 15:23	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:23	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:23	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 12:09	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 15:23	VLO	
Zinc [7440-66-6] *	**8.9**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 15:23	VLO	

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

www.encolabs.com

Description: 5503-MW34
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-20
Sampled: 10/17/07 10:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 09:21	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/30/07 09:21	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/30/07 09:21	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 09:21	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/30/07 09:21	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/07 09:21	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/30/07 09:21	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/30/07 09:21	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/30/07 09:21	jkg	
Acetone [67-64-1] *	**6.0**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/30/07 09:21	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/30/07 09:21	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/30/07 09:21	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/30/07 09:21	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/30/07 09:21	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/30/07 09:21	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/30/07 09:21	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/30/07 09:21	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 09:21	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 09:21	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/30/07 09:21	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/07 09:21	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/30/07 09:21	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/30/07 09:21	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/30/07 09:21	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/30/07 09:21	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/30/07 09:21	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 09:21	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/30/07 09:21	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 09:21	jkg	

www.encolabs.com

Description: 5503-MW34
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-20
Sampled: 10/17/07 10:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/07 09:21	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-138*	*7J29025*	*EPA 8260B*	*10/30/07 09:21*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*65-110*	*7J29025*	*EPA 8260B*	*10/30/07 09:21*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*72-114*	*7J29025*	*EPA 8260B*	*10/30/07 09:21*	*jkg*	

www.encolabs.com

Description: 5503-MW34
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-20
Sampled: 10/17/07 10:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 12:12	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:30	VLO	
Barium [7440-39-3] *	**93.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/24/07 15:30	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/24/07 15:30	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/24/07 15:30	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:30	VLO	
Cobalt [7440-48-4] *	**3.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:30	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/24/07 15:30	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:30	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/24/07 15:30	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:30	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/24/07 15:30	VLO	
Thallium [7440-28-0] *	**0.100**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 12:12	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/24/07 15:30	VLO	
Zinc [7440-66-6] *	**10.4**		ug/L	1	1.0	10.0	10	EPA 6010B	10/24/07 15:30	VLO	

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

www.encolabs.com

Description: 5503-MW35
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-21
Sampled: 10/17/07 10:22
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 09:50	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/30/07 09:50	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/30/07 09:50	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 09:50	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/30/07 09:50	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/07 09:50	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/30/07 09:50	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/30/07 09:50	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/30/07 09:50	jkg	
Acetone [67-64-1] *	**7.6**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/30/07 09:50	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/30/07 09:50	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/30/07 09:50	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/30/07 09:50	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/30/07 09:50	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/30/07 09:50	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/30/07 09:50	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/30/07 09:50	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 09:50	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 09:50	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/30/07 09:50	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/07 09:50	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/30/07 09:50	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/30/07 09:50	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/30/07 09:50	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/30/07 09:50	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/30/07 09:50	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 09:50	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/30/07 09:50	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 09:50	jkg	

www.encolabs.com

Description: 5503-MW35
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-21
Sampled: 10/17/07 10:22
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/07 09:50	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*53-138*	*7J29025*	*EPA 8260B*	*10/30/07 09:50*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*65-110*	*7J29025*	*EPA 8260B*	*10/30/07 09:50*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J29025*	*EPA 8260B*	*10/30/07 09:50*	*jkg*	

www.encolabs.com

Description: 5503-MW35
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-21
Sampled: 10/17/07 10:22
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:06	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:16	VLO	
Barium [7440-39-3] *	**59.0**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:16	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 14:16	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:16	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:16	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:16	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 14:16	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:16	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 14:16	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:16	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:16	VLO	
Thallium [7440-28-0] *	**0.209**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:06	JDH	
Vanadium [7440-62-2] *	**4.1**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 14:16	VLO	
Zinc [7440-66-6] *	**11.9**		ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 14:16	VLO	

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

www.encolabs.com

Description: 5503-MW35A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-22
Sampled: 10/17/07 10:26
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 10:19	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/30/07 10:19	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/30/07 10:19	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 10:19	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/30/07 10:19	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/07 10:19	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/30/07 10:19	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/30/07 10:19	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/30/07 10:19	jkg	
Acetone [67-64-1] *	**28**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/30/07 10:19	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/30/07 10:19	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/30/07 10:19	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/30/07 10:19	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/30/07 10:19	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/30/07 10:19	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/30/07 10:19	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/30/07 10:19	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/30/07 10:19	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/30/07 10:19	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/30/07 10:19	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/07 10:19	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/30/07 10:19	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/30/07 10:19	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/30/07 10:19	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/30/07 10:19	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/30/07 10:19	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/30/07 10:19	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/30/07 10:19	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/07 10:19	jkg	

www.encolabs.com

Description: 5503-MW35A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-22
Sampled: 10/17/07 10:26
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/07 10:19	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-138*	*7J29025*	*EPA 8260B*	*10/30/07 10:19*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*87 %*	*65-110*	*7J29025*	*EPA 8260B*	*10/30/07 10:19*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J29025*	*EPA 8260B*	*10/30/07 10:19*	*jkg*	

www.encolabs.com

Description: 5503-MW35A
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-22
Sampled: 10/17/07 10:26
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:09	JDH	
Arsenic [7440-38-2] *	**2.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:23	VLO	
Barium [7440-39-3] *	**44.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:23	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 14:23	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:23	VLO	
Chromium [7440-47-3] *	**4.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:23	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:23	VLO	
Copper [7440-50-8] *	**1.10**	J	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 14:23	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:23	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 14:23	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:23	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:23	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:09	JDH	
Vanadium [7440-62-2] *	**6.2**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 14:23	VLO	
Zinc [7440-66-6] *	**5.4**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 14:23	VLO	

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

www.encolabs.com

Description: 5503-Trip Blank
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-23
Sampled: 10/16/07 00:00
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 20:42	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/26/07 20:42	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/26/07 20:42	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 20:42	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/26/07 20:42	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/26/07 20:42	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/26/07 20:42	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/26/07 20:42	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/26/07 20:42	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/26/07 20:42	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/26/07 20:42	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/26/07 20:42	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/26/07 20:42	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/26/07 20:42	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/26/07 20:42	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/26/07 20:42	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/26/07 20:42	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 20:42	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 20:42	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/26/07 20:42	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/26/07 20:42	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/26/07 20:42	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/26/07 20:42	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/26/07 20:42	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/26/07 20:42	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/26/07 20:42	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 20:42	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/26/07 20:42	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 20:42	jkg	

www.encolabs.com

Description: 5503-Trip Blank
Matrix: Ground Water
Project: Lincoln County LF - App Is

Lab Sample ID: C713612-23
Sampled: 10/16/07 00:00
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713612

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/26/07 20:42	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*53-138*	*7J26012*	*EPA 8260B*	*10/26/07 20:42*	*jkg*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*65-110*	*7J26012*	*EPA 8260B*	*10/26/07 20:42*	*jkg*	
Toluene-d8	*39*	*1*	*50.0*	*78 %*	*72-114*	*7J26012*	*EPA 8260B*	*10/26/07 20:42*	*jkg*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J21001 - EPA 5030B_MS

Blank (7J21001-BLK1) Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*38*			*ug/L*	*50.0*		*76*	*65-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J21001 - EPA 5030B_MS

Blank (7J21001-BLK1) Continued Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*53-138*			

LCS (7J21001-BS1) Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 12:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		82	43-131			
Benzene	19		1.0	ug/L	20.0		96	73-127			
Trichloroethene	21		1.0	ug/L	20.0		104	76-128			
Toluene	18		1.0	ug/L	20.0		91	71-112			
Chlorobenzene	18		1.0	ug/L	20.0		89	75-114			

Matrix Spike (7J21001-MS1) Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 13:17

Source: C715087-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0	0.14 U	75	43-131			
Benzene	18		1.0	ug/L	20.0	0.12 U	92	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	101	76-128			
Toluene	18		1.0	ug/L	20.0	0.15 U	88	71-112			
Chlorobenzene	17		1.0	ug/L	20.0	0.16 U	87	75-114			

Matrix Spike Dup (7J21001-MSD1) Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 13:46

Source: C715087-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.14 U	84	43-131	12	16	
Benzene	19		1.0	ug/L	20.0	0.12 U	95	73-127	4	18	
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	100	76-128	0.6	17	
Toluene	18		1.0	ug/L	20.0	0.15 U	90	71-112	2	23	
Chlorobenzene	18		1.0	ug/L	20.0	0.16 U	88	75-114	1	17	

Batch 7J26012 - EPA 5030B_MS

Blank (7J26012-BLK1) Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 12:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J26012 - EPA 5030B_MS

Blank (7J26012-BLK1) Continued Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 12:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*35*			*ug/L*	*50.0*		*70*	*65-110*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*53-138*			

LCS (7J26012-BS1) Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	20.0		64	43-131			
Benzene	21		1.0	ug/L	20.0		103	73-127			
Trichloroethene	20		1.0	ug/L	20.0		102	76-128			
Toluene	17		1.0	ug/L	20.0		85	71-112			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J26012 - EPA 5030B_MS

LCS (7J26012-BS1) Continued Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	19		1.0	ug/L	20.0		96	75-114			

Matrix Spike (7J26012-MS1) Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 13:29

Source: C713717-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	20.0	0.14 U	64	43-131			
Benzene	20		1.0	ug/L	20.0	0.12 U	98	73-127			
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	96	76-128			
Toluene	18		1.0	ug/L	20.0	0.15 U	88	71-112			
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	101	75-114			

Matrix Spike Dup (7J26012-MSD1) Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 13:58

Source: C713717-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	20.0	0.14 U	65	43-131	0.7	16	
Benzene	21		1.0	ug/L	20.0	0.12 U	106	73-127	8	18	
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	100	76-128	4	17	
Toluene	16		1.0	ug/L	20.0	0.15 U	82	71-112	8	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.16 U	93	75-114	8	17	

Batch 7J26021 - EPA 5030B_MS

Blank (7J26021-BLK1) Prepared: 10/26/2007 15:17 Analyzed: 10/27/2007 15:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J26021 - EPA 5030B_MS

Blank (7J26021-BLK1) Continued Prepared: 10/26/2007 15:17 Analyzed: 10/27/2007 15:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*93*	*65-110*			
Surrogate: Toluene-d8	*40*			*ug/L*	*50.0*		*81*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*36*			*ug/L*	*50.0*		*72*	*53-138*			

LCS (7J26021-BS1) Prepared: 10/26/2007 15:17 Analyzed: 10/27/2007 16:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		92	43-131			
Benzene	24		1.0	ug/L	20.0		119	73-127			
Trichloroethene	17		1.0	ug/L	20.0		84	76-128			
Toluene	18		1.0	ug/L	20.0		89	71-112			
Chlorobenzene	21		1.0	ug/L	20.0		104	75-114			

Matrix Spike (7J26021-MS1) Prepared: 10/26/2007 15:17 Analyzed: 10/27/2007 16:37

Source: C715254-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	96	43-131			
Benzene	25		1.0	ug/L	20.0	0.12 U	125	73-127			
Trichloroethene	18		1.0	ug/L	20.0	0.23 U	88	76-128			
Toluene	19		1.0	ug/L	20.0	0.15 U	95	71-112			
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	107	75-114			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J26021 - EPA 5030B_MS

Matrix Spike Dup (7J26021-MSD1) Prepared: 10/26/2007 15:17 Analyzed: 10/27/2007 17:06

Source: C715254-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.14 U	91	43-131	6	16	
Benzene	24		1.0	ug/L	20.0	0.12 U	121	73-127	3	18	
Trichloroethene	17		1.0	ug/L	20.0	0.23 U	85	76-128	3	17	
Toluene	19		1.0	ug/L	20.0	0.15 U	94	71-112	1	23	
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	106	75-114	0.9	17	

Batch 7J28001 - EPA 5030B_MS

Blank (7J28001-BLK1) Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 22:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J28001 - EPA 5030B_MS

Blank (7J28001-BLK1) Continued Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 22:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*65-110*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*53-138*			

LCS (7J28001-BS1) Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 22:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		92	43-131			
Benzene	20		1.0	ug/L	20.0		102	73-127			
Trichloroethene	20		1.0	ug/L	20.0		100	76-128			
Toluene	20		1.0	ug/L	20.0		101	71-112			
Chlorobenzene	20		1.0	ug/L	20.0		100	75-114			

Matrix Spike (7J28001-MS1) Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 23:25
Source: C715254-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.14 U	90	43-131			
Benzene	20		1.0	ug/L	20.0	0.12 U	101	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	102	76-128			
Toluene	21		1.0	ug/L	20.0	0.15 U	103	71-112			
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	103	75-114			

Matrix Spike Dup (7J28001-MSD1) Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 23:54
Source: C715254-02

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	0.14 U	95	43-131	6	16	
Benzene	20		1.0	ug/L	20.0	0.12 U	102	73-127	2	18	
Trichloroethene	21		1.0	ug/L	20.0	0.23 U	105	76-128	3	17	
Toluene	21		1.0	ug/L	20.0	0.15 U	104	71-112	1	23	
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	106	75-114	3	17	

Batch 7J29025 - EPA 5030B_MS

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J29025 - EPA 5030B_MS

Blank (7J29025-BLK1) Prepared: 10/29/2007 21:22 Analyzed: 10/30/2007 03:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*65-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J29025 - EPA 5030B_MS

Blank (7J29025-BLK1) Continued Prepared: 10/29/2007 21:22 Analyzed: 10/30/2007 03:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*53-138*			

LCS (7J29025-BS1) Prepared: 10/29/2007 21:22 Analyzed: 10/30/2007 03:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	43-131			
Benzene	23		1.0	ug/L	20.0		114	73-127			
Trichloroethene	21		1.0	ug/L	20.0		107	76-128			
Toluene	21		1.0	ug/L	20.0		104	71-112			
Chlorobenzene	21		1.0	ug/L	20.0		104	75-114			

Matrix Spike (7J29025-MS1) Prepared: 10/29/2007 21:22 Analyzed: 10/30/2007 03:59

Source: C715254-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.14 U	102	43-131			
Benzene	22		1.0	ug/L	20.0	0.12 U	108	73-127			
Trichloroethene	21		1.0	ug/L	20.0	0.23 U	107	76-128			
Toluene	21		1.0	ug/L	20.0	0.15 U	103	71-112			
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	106	75-114			

Matrix Spike Dup (7J29025-MSD1) Prepared: 10/29/2007 21:22 Analyzed: 10/30/2007 04:28

Source: C715254-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.14 U	98	43-131	4	16	
Benzene	21		1.0	ug/L	20.0	0.12 U	106	73-127	2	18	
Trichloroethene	21		1.0	ug/L	20.0	0.23 U	105	76-128	2	17	
Toluene	20		1.0	ug/L	20.0	0.15 U	99	71-112	4	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.16 U	94	75-114	12	17	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19010 - EPA 3005A

Blank (7J19010-BLK1) Prepared: 10/19/2007 09:34 Analyzed: 10/24/2007 11:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.0	U	10.0	ug/L							
Barium	0.20	U	10.0	ug/L							
Beryllium	0.70	U	1.00	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	0.60	U	10.0	ug/L							
Iron	20	U	50	ug/L							
Lead	2.0	U	10.0	ug/L							

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19010 - EPA 3005A

Blank (7J19010-BLK1) Continued Prepared: 10/19/2007 09:34 Analyzed: 10/24/2007 11:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Manganese	1.4	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (7J19010-BS1) Prepared: 10/19/2007 09:34 Analyzed: 10/24/2007 11:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	528		10.0	ug/L	500		106	82-117			
Barium	539		10.0	ug/L	500		108	72-125			
Beryllium	263		1.00	ug/L	250		105	75-121			
Cadmium	262		1.00	ug/L	250		105	72-120			
Chromium	517		10.0	ug/L	500		103	78-119			
Cobalt	519		10.0	ug/L	500		104	76-117			
Copper	266		10.0	ug/L	250		106	80-117			
Iron	5180		50	ug/L	5000		104	84-133			
Lead	523		10.0	ug/L	500		105	72-121			
Manganese	258		10.0	ug/L	250		103	76-123			
Nickel	522		10.0	ug/L	500		104	78-116			
Selenium	550		10.0	ug/L	500		110	82-127			
Silver	47.6		10.0	ug/L	50.0		95	80-128			
Vanadium	258		10.0	ug/L	250		103	78-117			
Zinc	510		10.0	ug/L	500		102	80-120			

Matrix Spike (7J19010-MS1) Prepared: 10/19/2007 09:34 Analyzed: 10/24/2007 11:56

Source: C713612-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	519		10.0	ug/L	500	2.0 U	104	64-126			
Barium	562		10.0	ug/L	500	28.6	107	74-119			
Beryllium	261		1.00	ug/L	250	0.70 U	105	70-131			
Cadmium	260		1.00	ug/L	250	0.50 U	104	68-121			
Chromium	514		10.0	ug/L	500	7.4	101	73-120			
Cobalt	511		10.0	ug/L	500	2.0 U	102	76-120			
Copper	263		10.0	ug/L	250	2.70	104	75-123			
Iron	5750		50	ug/L	5000	540	104	48-144			
Lead	510		10.0	ug/L	500	2.0 U	102	68-126			
Manganese	264		10.0	ug/L	250	11.0	101	55-146			
Nickel	524		10.0	ug/L	500	9.6	103	64-126			
Selenium	545		10.0	ug/L	500	2.0 U	109	65-129			
Silver	46.9		10.0	ug/L	50.0	2.0 U	94	69-121			
Vanadium	254		10.0	ug/L	250	1.0	101	71-130			
Zinc	514		10.0	ug/L	500	10.1	101	63-131			

Matrix Spike Dup (7J19010-MSD1) Prepared: 10/19/2007 09:34 Analyzed: 10/24/2007 12:35

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19010 - EPA 3005A

Matrix Spike Dup (7J19010-MSD1) Continued Prepared: 10/19/2007 09:34 Analyzed: 10/24/2007 12:35

Source: C713612-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	542		10.0	ug/L	500	2.0 U	108	64-126	4	12	
Barium	539		10.0	ug/L	500	28.6	102	74-119	4	11	
Beryllium	282		1.00	ug/L	250	0.70 U	113	70-131	7	21	
Cadmium	284		1.00	ug/L	250	0.50 U	114	68-121	9	12	
Chromium	552		10.0	ug/L	500	7.4	109	73-120	7	10	
Cobalt	540		10.0	ug/L	500	2.0 U	108	76-120	5	17	
Copper	250		10.0	ug/L	250	2.70	99	75-123	5	16	
Iron	6080		50	ug/L	5000	540	111	48-144	5	23	
Lead	543		10.0	ug/L	500	2.0 U	109	68-126	6	19	
Manganese	278		10.0	ug/L	250	11.0	107	55-146	5	19	
Nickel	553		10.0	ug/L	500	9.6	109	64-126	5	12	
Selenium	549		10.0	ug/L	500	2.0 U	110	65-129	0.7	10	
Silver	47.2		10.0	ug/L	50.0	2.0 U	94	69-121	0.6	12	
Vanadium	265		10.0	ug/L	250	1.0	105	71-130	4	16	
Zinc	589		10.0	ug/L	500	10.1	116	63-131	14	24	

Batch 7J19011 - EPA 3005A

Blank (7J19011-BLK1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	**2.1**	**J**	10.0	ug/L							
Barium	**0.30**	**J**	10.0	ug/L							QB-01
Beryllium	0.70	U	1.00	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	0.60	U	10.0	ug/L							
Lead	2.0	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (7J19011-BS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500		102	82-117			
Barium	522	B	10.0	ug/L	500		104	72-125			
Beryllium	252		1.00	ug/L	250		101	75-121			
Cadmium	257		1.00	ug/L	250		103	72-120			
Chromium	498		10.0	ug/L	500		100	78-119			
Cobalt	498		10.0	ug/L	500		100	76-117			
Copper	254		10.0	ug/L	250		102	80-117			
Lead	496		10.0	ug/L	500		99	72-121			
Nickel	511		10.0	ug/L	500		102	78-116			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

LCS (7J19011-BS1) Continued Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	528		10.0	ug/L	500		106	82-127			
Silver	45.6		10.0	ug/L	50.0		91	80-128			
Vanadium	246		10.0	ug/L	250		98	78-117			
Zinc	492		10.0	ug/L	500		98	80-120			

Matrix Spike (7J19011-MS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:13

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500	2.0 U	102	64-126			
Barium	570	B	10.0	ug/L	500	47.3	105	74-119			
Beryllium	251		1.00	ug/L	250	0.70 U	101	70-131			
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121			
Chromium	494		10.0	ug/L	500	2.0 U	99	73-120			
Cobalt	494		10.0	ug/L	500	2.0 U	99	76-120			
Copper	368		10.0	ug/L	250	114	102	75-123			
Lead	499		10.0	ug/L	500	3.1	99	68-126			
Nickel	512		10.0	ug/L	500	4.3	102	64-126			
Selenium	534		10.0	ug/L	500	2.0 U	107	65-129			
Silver	46.2		10.0	ug/L	50.0	2.0 U	92	69-121			
Vanadium	246		10.0	ug/L	250	1.0 U	98	71-130			
Zinc	3040		10.0	ug/L	500	2600	89	63-131			

Matrix Spike Dup (7J19011-MSD1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:20

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511	B	10.0	ug/L	500	2.0 U	102	64-126	0.5	12	
Barium	575	B	10.0	ug/L	500	47.3	106	74-119	0.8	11	
Beryllium	253		1.00	ug/L	250	0.70 U	101	70-131	0.8	21	
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121	0.08	12	
Chromium	492		10.0	ug/L	500	2.0 U	98	73-120	0.3	10	
Cobalt	495		10.0	ug/L	500	2.0 U	99	76-120	0.3	17	
Copper	373		10.0	ug/L	250	114	104	75-123	1	16	
Lead	500		10.0	ug/L	500	3.1	99	68-126	0.2	19	
Nickel	515		10.0	ug/L	500	4.3	102	64-126	0.5	12	
Selenium	535		10.0	ug/L	500	2.0 U	107	65-129	0.2	10	
Silver	46.0		10.0	ug/L	50.0	2.0 U	92	69-121	0.4	12	
Vanadium	245		10.0	ug/L	250	1.0 U	98	71-130	0.4	16	
Zinc	3090		10.0	ug/L	500	2600	98	63-131	1	24	

Batch 7J19014 - EPA 3005A

Blank (7J19014-BLK1) Prepared: 10/19/2007 09:44 Analyzed: 10/26/2007 11:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	0.050	ug/L							

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19014 - EPA 3005A

LCS (7J19014-BS1) Prepared: 10/19/2007 09:44 Analyzed: 10/26/2007 11:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	23.6		2.00	ug/L	25.0		94	85-115			
Thallium	24.6		0.050	ug/L	25.0		98	85-115			

Matrix Spike (7J19014-MS1) Prepared: 10/19/2007 09:44 Analyzed: 10/26/2007 11:08

Source: C713612-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		2.00	ug/L	25.0	0.68 U	98	85-115			
Thallium	25.2		0.050	ug/L	25.0	0.036 U	101	85-115			

Matrix Spike Dup (7J19014-MSD1) Prepared: 10/19/2007 09:44 Analyzed: 10/26/2007 11:10

Source: C713612-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		2.00	ug/L	25.0	0.68 U	98	85-115	0.2	20	
Thallium	25.1		0.050	ug/L	25.0	0.036 U	101	85-115	0.1	20	

Batch 7J19015 - EPA 3005A

Blank (7J19015-BLK1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 09:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	0.050	ug/L							

LCS (7J19015-BS1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 09:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.2		2.00	ug/L	25.0		97	85-115			
Thallium	25.6		0.050	ug/L	25.0		102	85-115			

Matrix Spike (7J19015-MS1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 10:02

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	21.9		2.00	ug/L	25.0	0.68 U	88	85-115			
Thallium	23.6		0.050	ug/L	25.0	0.111	94	85-115			

Matrix Spike Dup (7J19015-MSD1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 10:04

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	22.2		2.00	ug/L	25.0	0.68 U	89	85-115	1	20	
Thallium	24.4		0.050	ug/L	25.0	0.111	97	85-115	3	20	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J22005 - EPA 7470A

Blank (7J22005-BLK1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (7J22005-BS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.62		0.20	ug/L	5.00		92	87-123			

Matrix Spike (7J22005-MS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:09

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.65		0.20	ug/L	5.00	0.11 U	93	63-132			

Matrix Spike Dup (7J22005-MSD1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:12

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.72		0.20	ug/L	5.00	0.11 U	94	63-132	2	10	

Post Spike (7J22005-PS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:20

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.43		0.20	ug/L	5.00	0.11 U	89	0-200			

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.
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.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which is allowable under NELAC guidelines.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9646

Page 1 of 2

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: 9751 Southern Pine Blvd.	Project Name/Desc: Lincoln County LF - App Is
City/ST/Zip: Charlotte, NC 28273	PO # / Billing Info: 45034
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name/Affiliation (Print): Tom Steelman, S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required): 5503

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

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C713612

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers										Sample Comments
	5503-MW1A	10/16/07	0818	Grab	Water	4	X	X								
	~~5503-MW8~~			~~Grab~~	~~Water~~	~~4~~	~~X~~		~~X~~							
	5503-MW9	10/16/07	1015	Grab	Water	4	X		X							
	5503-MW10R	10/16/07	0953	Grab	Water	4	X		X							
	5503-MW12	10/16/07	1038	Grab	Water	4	X		X							
	5503-MW13	10/17/07	0848	Grab	Water	4	X		X							
	5503-MW14	10/17/07	0855	Grab	Water	4	X		X							
	5503-MW15	10/17/07	0930	Grab	Water	4	X		X							
	5503-MW16R	10/17/07	0825	Grab	Water	4	X		X							
	5503-MW17	10/16/07	0830	Grab	Water	4	X		X							
	5503-MW18	10/17/07	0905	Grab	Water	4	X		X							
	5503-MW19	10/17/07	0912	Grab	Water	4	X		X							
						48	<-- Total # of Containers									

Sample Kit Prepared By: CARY	Date/Time: 9/24/07 1600	Relinquished By:	Date/Time: 10/17/07 1430	Received By:	Date/Time:
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By: John Lowthe	Date/Time: 10/18/07 1200
		Cooler #'s & Temps on Receipt: C-73 2.6 C-112 1.8		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

www.encolabs.com

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

1819 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-0846

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: 9751 Southern Pine Blvd.	Project Name/Desc: Lincoln County LF - App Is
City/ST/Zip: Charlotte, NC 28273	PO # / Billing Info: 45034
Tel: (704) 523-4726 Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman, S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required): 5503

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn; 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. ✓ Standard ___ Expedited Due ___/___/___

Lab Workorder: C713612

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,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn								Sample Comments
	5503-MW20	10/17/07	0837	Grab	Water	4	X		X								
	5503-MW21	10/17/07	0940	Grab	Water	4	X		X								
	5503-MW24	10/16/07	1026	Grab	Water	4	X		X								
	5503-MW25	10/16/07	0930	Grab	Water	4	X		X								
	5503-MW25A	10/16/07	0935	Grab	Water	4	X		X								
	5503-MW32R	10/17/07	0947	Grab	Water	4	X		X								
	5503-MW33	10/17/07	0953	Grab	Water	4	X		X								
	5503-MW33A	10/17/07	0957	Grab	Water	4	X		X								
	5503-MW34	10/17/07	1015	Grab	Water	4	X		X								
	5503-MW35	10/17/07	1022	Grab	Water	4	X		X								
	5503-MW35A	10/17/07	1026	Grab	Water	4	X		X								
	5503-Trip Blank	10/17/07		Grab	Water	2	X										
						46	<-- Total # of Containers										

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	9/24/07 1400	[signature]	10/17/07 1430		
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: Joshua Lowe	Date/Time 10/18/07 1200
		Cooler #s & Temps on Receipt: C-732.6 C-112 1.8		Condition Upon Receipt: ___Acceptable ___Unacceptable	

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

Preservation: 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 agreement exist

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

www.encolabs.com

Friday, November 16, 2007

S&ME, Inc. (SM002)

Attn: Courtney Withers

9751 Southern Pine Blvd.

Charlotte, NC 28273

RE: Laboratory Results for
Project Number: 1356-07-004, Project Name/Desc: Lincoln County LF - C&D
ENCO Workorder: C713613

Dear Courtney Withers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, October 18, 2007.

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

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

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

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

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 47.

CASE NARRATIVE

Date: November 16, 2007

Client: S & ME, Inc.

Project #: Lincoln County Landfill - C&D

Lab ID: C713613

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Samples

Arsenic The Method Blank had a positive detection for Arsenic; however, the concentration in the Method Blank is less than 10% of the sample result, which is allowable under NELAC guidelines.

Other Comments

The Acetone detections have been confirmed although the analyte has been determined to be a possible lab artifact.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative. Should there be any questions regarding this package, please feel free to contact the undersigned for additional information.

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-MW26 **Lab ID: C713613-01** **Sampled: 10/16/07 11:15** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	10/23/07	10/20/07 13:10	10/22/2007 13:55
EPA 300.0	11/13/07	10/22/07 10:58	10/22/2007 17:15
EPA 310.2	10/30/07	10/19/07 08:41	10/19/2007 12:10
EPA 6010B	04/13/08	10/19/07 09:38	10/23/2007 14:30
EPA 6020	04/13/08	10/19/07 09:49	10/26/2007 09:59
EPA 7470A	11/13/07	10/22/07 09:02	10/23/2007 13:42
EPA 8260B	10/30/07	10/26/07 11:20	10/26/2007 21:12
SM4500-Cl/E	11/13/07	10/19/07 08:43	10/19/2007 11:28

Client ID: 5503-MW27 **Lab ID: C713613-02** **Sampled: 10/16/07 11:05** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	10/23/07	10/20/07 13:10	10/22/2007 13:55
EPA 300.0	11/13/07	10/22/07 10:58	10/22/2007 17:33
EPA 310.2	10/30/07	10/19/07 08:41	10/19/2007 12:13
EPA 6010B	04/13/08	10/19/07 09:38	10/23/2007 14:37
EPA 6020	04/13/08	10/19/07 09:49	10/26/2007 10:11
EPA 7470A	11/13/07	10/22/07 09:02	10/23/2007 13:44
EPA 8260B	10/30/07	10/28/07 07:53	10/29/2007 03:19
SM4500-Cl/E	11/13/07	10/19/07 08:43	10/19/2007 11:29

Client ID: 5503-MW28 **Lab ID: C713613-03** **Sampled: 10/16/07 10:55** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	10/23/07	10/20/07 13:10	10/22/2007 13:55
EPA 300.0	11/13/07	10/22/07 10:58	10/22/2007 18:26
EPA 310.2	10/30/07	10/19/07 08:41	10/19/2007 12:14
EPA 6010B	04/13/08	10/19/07 09:38	10/23/2007 14:44
EPA 6020	04/13/08	10/19/07 09:49	10/26/2007 10:19
EPA 7470A	11/13/07	10/22/07 09:02	10/23/2007 13:53
EPA 8260B	10/30/07	10/28/07 07:53	10/29/2007 03:49
SM4500-Cl/E	11/13/07	10/19/07 08:43	10/19/2007 11:30

Client ID: 5503-MW29 **Lab ID: C713613-04** **Sampled: 10/16/07 08:43** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	10/23/07	10/20/07 13:10	10/22/2007 13:55
EPA 300.0	11/13/07	10/22/07 10:58	10/22/2007 18:44
EPA 310.2	10/30/07	10/19/07 08:41	10/19/2007 12:15
EPA 6010B	04/13/08	10/19/07 09:38	10/23/2007 14:51
EPA 6020	04/13/08	10/19/07 09:49	10/26/2007 10:21
EPA 7470A	11/13/07	10/22/07 09:02	10/23/2007 13:56
EPA 8260B	10/30/07	10/28/07 07:53	10/29/2007 04:18
SM4500-Cl/E	11/13/07	10/19/07 08:43	10/19/2007 11:30

Client ID: 5503-MW30	Lab ID: C713613-05	Sampled: 10/16/07 09:00	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 160.1	10/23/07	10/20/07 13:10	10/22/2007 13:55
EPA 300.0	11/13/07	10/22/07 10:58	10/22/2007 19:01
EPA 310.2	10/30/07	10/19/07 08:41	10/19/2007 12:15
EPA 6010B	04/13/08	10/19/07 09:38	10/23/2007 14:58
EPA 6020	04/13/08	10/19/07 09:49	10/26/2007 10:24
EPA 7470A	11/13/07	10/22/07 09:02	10/23/2007 13:59
EPA 8260B	10/30/07	10/28/07 07:53	10/29/2007 04:47
SM4500-Cl/E	11/13/07	10/19/07 08:43	10/19/2007 11:31

Client ID: 5503-MW31	Lab ID: C713613-06	Sampled: 10/16/07 09:15	Received: 10/18/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 160.1	10/23/07	10/20/07 13:10	10/22/2007 13:55
EPA 300.0	11/13/07	10/22/07 10:58	10/22/2007 19:19
EPA 310.2	10/30/07	10/19/07 08:41	10/19/2007 12:17
EPA 6010B	04/13/08	10/19/07 09:38	10/23/2007 15:05
EPA 6020	04/13/08	10/19/07 09:49	10/26/2007 10:26
EPA 7470A	11/13/07	10/22/07 09:02	10/23/2007 14:02
EPA 8260B	10/30/07	10/28/07 07:53	10/29/2007 05:16
SM4500-Cl/E	11/13/07	10/19/07 08:43	10/19/2007 11:31

www.encolabs.com

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5503-MW26 — **Lab ID: C713613-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	2.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	54.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	5.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	1.00	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Iron	1980		1	20	50	300	ug/L	EPA 6010B	
Manganese	34.7	J	1	1.4	10.0	50	ug/L	EPA 6010B	
Nickel	3.4	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Sulfate	1.2	J	1	0.03	2.0	250	mg/L	EPA 300.0	
Thallium	0.111	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Total Alkalinity	9.1		1	5.2	15	NE	mg/L	EPA 310.2	
Vanadium	4.5	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	7.8	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW27 — **Lab ID: C713613-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethene	0.43	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Acetone	5.6	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Arsenic	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	187		1	0.20	10.0	100	ug/L	EPA 6010B	
Chloride	5.6		1	2.0	5.0	NE	mg/L	SM4500-Cl/E	
Chromium	4.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	6.2	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Iron	1700		1	20	50	300	ug/L	EPA 6010B	
Manganese	441		1	1.4	10.0	50	ug/L	EPA 6010B	
Mercury	0.18	J	1	0.11	0.20	0.2	ug/L	EPA 7470A	
Nickel	13.0	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Sulfate	1.3	J	1	0.03	2.0	250	mg/L	EPA 300.0	
Thallium	0.092	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Total Alkalinity	40		1	5.2	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	24		1	10	10	NE	mg/L	EPA 160.1	
Trichlorofluoromethane	0.62	J	1	0.16	1.0	1	ug/L	EPA 8260B	
Vanadium	2.2	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	10.8		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW28 — **Lab ID: C713613-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	32.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Manganese	8.2	J	1	1.4	10.0	50	ug/L	EPA 6010B	
Sulfate	0.60	J	1	0.03	2.0	250	mg/L	EPA 300.0	
Thallium	0.048	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Total Alkalinity	6.4		1	5.2	15	NE	mg/L	EPA 310.2	
Zinc	4.7	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW29 — **Lab ID: C713613-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.5	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	38.7	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chloride	2.0		1	2.0	5.0	NE	mg/L	SM4500-Cl/E	
Chromium	3.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW29 **Lab ID: C713613-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Cobalt	5.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	19.3		1	0.60	10.0	10	ug/L	EPA 6010B	
Iron	23000		1	20	50	300	ug/L	EPA 6010B	
Lead	5.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Manganese	36.6	J	1	1.4	10.0	50	ug/L	EPA 6010B	
Nickel	7.6	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Sulfate	5.5	J	1	0.03	2.0	250	mg/L	EPA 300.0	
Thallium	0.268	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Total Alkalinity	25		1	5.2	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	26		1	10	10	NE	mg/L	EPA 160.1	
Vanadium	7.9	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	16.8		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW30 **Lab ID: C713613-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	2.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	58.9	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Iron	1020		1	20	50	300	ug/L	EPA 6010B	
Manganese	48.3	J	1	1.4	10.0	50	ug/L	EPA 6010B	
Nickel	3.2	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Sulfate	1.2	J	1	0.03	2.0	250	mg/L	EPA 300.0	
Thallium	0.040	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Total Alkalinity	9.6		1	5.2	15	NE	mg/L	EPA 310.2	
Vanadium	1.2	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	7.5	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-MW31 **Lab ID: C713613-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	6.80	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Iron	9990		1	20	50	300	ug/L	EPA 6010B	
Manganese	41.7	J	1	1.4	10.0	50	ug/L	EPA 6010B	
Sulfate	7.2	J	1	0.03	2.0	250	mg/L	EPA 300.0	
Zinc	3.1	J	1	1.0	10.0	10	ug/L	EPA 6010B	

www.encolabs.com

ANALYTICAL RESULTS

Description: 5503-MW26
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-01
Sampled: 10/16/07 11:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 21:12	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/26/07 21:12	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/26/07 21:12	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 21:12	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/26/07 21:12	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/26/07 21:12	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/26/07 21:12	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/26/07 21:12	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/26/07 21:12	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/26/07 21:12	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/26/07 21:12	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/26/07 21:12	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/26/07 21:12	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/26/07 21:12	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/26/07 21:12	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/26/07 21:12	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/26/07 21:12	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/26/07 21:12	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/26/07 21:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/26/07 21:12	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/26/07 21:12	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/26/07 21:12	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/26/07 21:12	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/26/07 21:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/26/07 21:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/26/07 21:12	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/26/07 21:12	jkg	

www.encolabs.com

Description: 5503-MW26
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-01
Sampled: 10/16/07 11:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/26/07 21:12	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/26/07 21:12	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/26/07 21:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*85 %*	*53-138*	*7J26012*	*EPA 8260B*	*10/26/07 21:12*	*jkg*	
Dibromofluoromethane	*36*	*1*	*50.0*	*73 %*	*65-110*	*7J26012*	*EPA 8260B*	*10/26/07 21:12*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*79 %*	*72-114*	*7J26012*	*EPA 8260B*	*10/26/07 21:12*	*jkg*	

www.encolabs.com

Description: 5503-MW26
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-01
Sampled: 10/16/07 11:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 09:59	JDH	
Arsenic [7440-38-2] *	**2.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:30	VLO	
Barium [7440-39-3] *	**54.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:30	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 14:30	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:30	VLO	
Chromium [7440-47-3] *	**5.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:30	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:30	VLO	
Copper [7440-50-8] *	**1.00**	J	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 14:30	VLO	
Iron [7439-89-6] *	**1980**		ug/L	1	20	50	300	EPA 6010B	10/23/07 14:30	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:30	VLO	
Manganese [7439-96-5] *	**34.7**	J	ug/L	1	1.4	10.0	50	EPA 6010B	10/23/07 14:30	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:42	VLO	
Nickel [7440-02-0] *	**3.4**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 14:30	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:30	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:30	VLO	
Thallium [7440-28-0] *	**0.111**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 09:59	JDH	
Vanadium [7440-62-2] *	**4.5**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 14:30	VLO	
Zinc [7440-66-6] *	**7.8**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 14:30	VLO	

www.encolabs.com

Description: 5503-MW26
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-01
Sampled: 10/16/07 11:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] *	2.0	U	mg/L	1	2.0	5.0	NE	SM4500-Cl/E	10/19/07 11:28	PEV	
Total Alkalinity [NA] *	**9.1**		mg/L	1	5.2	15	NE	EPA 310.2	10/19/07 12:10	PEV	
Total Dissolved Solids [NA] *	10	U	mg/L	1	10	10	NE	EPA 160.1	10/22/07 13:55	JOC	

www.encolabs.com

Description: 5503-MW26
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-01
Sampled: 10/16/07 11:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**1.2**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/22/07 17:15	RSA	

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

www.encolabs.com

Description: 5503-MW27
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-02
Sampled: 10/16/07 11:05
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 03:19	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 03:19	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 03:19	jkg	
1,1-Dichloroethene [75-35-4] *	**0.43**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 03:19	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 03:19	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 03:19	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 03:19	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 03:19	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 03:19	jkg	
Acetone [67-64-1] *	**5.6**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 03:19	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 03:19	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 03:19	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 03:19	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 03:19	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 03:19	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 03:19	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 03:19	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 03:19	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 03:19	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 03:19	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 03:19	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 03:19	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 03:19	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 03:19	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 03:19	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 03:19	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Trichlorofluoromethane [75-69-4] *	**0.62**	J	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 03:19	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 03:19	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 03:19	jkg	

www.encolabs.com

Description: 5503-MW27
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-02
Sampled: 10/16/07 11:05
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 03:19	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 03:19*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 03:19*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 03:19*	*jkg*	

www.encolabs.com

Description: 5503-MW27
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-02
Sampled: 10/16/07 11:05
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:11	JDH	
Arsenic [7440-38-2] *	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:37	VLO	
Barium [7440-39-3] *	**187**		ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:37	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 14:37	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:37	VLO	
Chromium [7440-47-3] *	**4.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:37	VLO	
Cobalt [7440-48-4] *	**6.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:37	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 14:37	VLO	
Iron [7439-89-6] *	**1700**		ug/L	1	20	50	300	EPA 6010B	10/23/07 14:37	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:37	VLO	
Manganese [7439-96-5] *	**441**		ug/L	1	1.4	10.0	50	EPA 6010B	10/23/07 14:37	VLO	
Mercury [7439-97-6] *	**0.18**	J	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:44	VLO	
Nickel [7440-02-0] *	**13.0**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 14:37	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:37	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:37	VLO	
Thallium [7440-28-0] *	**0.092**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:11	JDH	
Vanadium [7440-62-2] *	**2.2**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 14:37	VLO	
Zinc [7440-66-6] *	**10.8**		ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 14:37	VLO	

www.encolabs.com

Description: 5503-MW27
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-02
Sampled: 10/16/07 11:05
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] *	**5.6**		mg/L	1	2.0	5.0	NE	SM4500-Cl/E	10/19/07 11:29	PEV	
Total Alkalinity [NA] *	**40**		mg/L	1	5.2	15	NE	EPA 310.2	10/19/07 12:13	PEV	
Total Dissolved Solids [NA] *	**24**		mg/L	1	10	10	NE	EPA 160.1	10/22/07 13:55	JOC	

www.encolabs.com

Description: 5503-MW27
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-02
Sampled: 10/16/07 11:05
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**1.3**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/22/07 17:33	RSA	

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

www.encolabs.com

Description: 5503-MW28
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-03
Sampled: 10/16/07 10:55
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 03:49	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 03:49	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 03:49	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 03:49	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 03:49	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 03:49	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 03:49	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 03:49	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 03:49	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 03:49	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 03:49	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 03:49	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 03:49	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 03:49	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 03:49	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 03:49	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 03:49	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 03:49	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 03:49	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 03:49	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 03:49	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 03:49	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 03:49	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 03:49	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 03:49	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 03:49	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 03:49	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 03:49	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 03:49	jkg	

www.encolabs.com

Description: 5503-MW28
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-03
Sampled: 10/16/07 10:55
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 03:49	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 03:49*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 03:49*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 03:49*	*jkg*	

www.encolabs.com

Description: 5503-MW28
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-03
Sampled: 10/16/07 10:55
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:19	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:44	VLO	
Barium [7440-39-3] *	**32.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:44	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 14:44	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:44	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:44	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:44	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 14:44	VLO	
Iron [7439-89-6] *	20	U	ug/L	1	20	50	300	EPA 6010B	10/23/07 14:44	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:44	VLO	
Manganese [7439-96-5] *	**8.2**	J	ug/L	1	1.4	10.0	50	EPA 6010B	10/23/07 14:44	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:53	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 14:44	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:44	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:44	VLO	
Thallium [7440-28-0] *	**0.048**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:19	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 14:44	VLO	
Zinc [7440-66-6] *	**4.7**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 14:44	VLO	

www.encolabs.com

Description: 5503-MW28
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-03
Sampled: 10/16/07 10:55
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] *	2.0	U	mg/L	1	2.0	5.0	NE	SM4500-Cl/E	10/19/07 11:30	PEV	
Total Alkalinity [NA] *	**6.4**		mg/L	1	5.2	15	NE	EPA 310.2	10/19/07 12:14	PEV	
Total Dissolved Solids [NA] *	10	U	mg/L	1	10	10	NE	EPA 160.1	10/22/07 13:55	JOC	

www.encolabs.com

Description: 5503-MW28
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-03
Sampled: 10/16/07 10:55
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**0.60**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/22/07 18:26	RSA	

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

www.encolabs.com

Description: 5503-MW29
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-04
Sampled: 10/16/07 08:43
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 04:18	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 04:18	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 04:18	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 04:18	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 04:18	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 04:18	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 04:18	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 04:18	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 04:18	jkg	
Acetone [67-64-1] *	**4.5**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 04:18	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 04:18	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 04:18	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 04:18	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 04:18	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 04:18	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 04:18	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 04:18	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 04:18	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 04:18	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 04:18	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 04:18	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 04:18	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 04:18	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 04:18	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 04:18	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 04:18	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 04:18	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 04:18	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 04:18	jkg	

www.encolabs.com

Description: 5503-MW29
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-04
Sampled: 10/16/07 08:43
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 04:18	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 04:18*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 04:18*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 04:18*	*jkg*	

www.encolabs.com

Description: 5503-MW29
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-04
Sampled: 10/16/07 08:43
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:21	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:51	VLO	
Barium [7440-39-3] *	**38.7**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:51	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 14:51	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:51	VLO	
Chromium [7440-47-3] *	**3.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:51	VLO	
Cobalt [7440-48-4] *	**5.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:51	VLO	
Copper [7440-50-8] *	**19.3**		ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 14:51	VLO	
Iron [7439-89-6] *	**23000**		ug/L	1	20	50	300	EPA 6010B	10/23/07 14:51	VLO	
Lead [7439-92-1] *	**5.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:51	VLO	
Manganese [7439-96-5] *	**36.6**	J	ug/L	1	1.4	10.0	50	EPA 6010B	10/23/07 14:51	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:56	VLO	
Nickel [7440-02-0] *	**7.6**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 14:51	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:51	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:51	VLO	
Thallium [7440-28-0] *	**0.268**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:21	JDH	
Vanadium [7440-62-2] *	**7.9**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 14:51	VLO	
Zinc [7440-66-6] *	**16.8**		ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 14:51	VLO	

www.encolabs.com

Description: 5503-MW29
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-04
Sampled: 10/16/07 08:43
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] *	**2.0**		mg/L	1	2.0	5.0	NE	SM4500-Cl/E	10/19/07 11:30	PEV	
Total Alkalinity [NA] *	**25**		mg/L	1	5.2	15	NE	EPA 310.2	10/19/07 12:15	PEV	
Total Dissolved Solids [NA] *	**26**		mg/L	1	10	10	NE	EPA 160.1	10/22/07 13:55	JOC	

www.encolabs.com

Description: 5503-MW29
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-04
Sampled: 10/16/07 08:43
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**5.5**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/22/07 18:44	RSA	

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

www.encolabs.com

Description: 5503-MW30
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-05
Sampled: 10/16/07 09:00
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 04:47	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 04:47	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 04:47	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 04:47	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 04:47	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 04:47	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 04:47	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 04:47	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 04:47	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 04:47	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 04:47	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 04:47	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 04:47	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 04:47	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 04:47	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 04:47	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 04:47	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 04:47	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 04:47	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 04:47	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 04:47	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 04:47	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 04:47	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 04:47	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 04:47	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 04:47	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 04:47	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 04:47	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 04:47	jkg	

www.encolabs.com

Description: 5503-MW30
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-05
Sampled: 10/16/07 09:00
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 04:47	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 04:47*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 04:47*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 04:47*	*jkg*	

www.encolabs.com

Description: 5503-MW30
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-05
Sampled: 10/16/07 09:00
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:24	JDH	
Arsenic [7440-38-2] *	**2.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:58	VLO	
Barium [7440-39-3] *	**58.9**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:58	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 14:58	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:58	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:58	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:58	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 14:58	VLO	
Iron [7439-89-6] *	**1020**		ug/L	1	20	50	300	EPA 6010B	10/23/07 14:58	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:58	VLO	
Manganese [7439-96-5] *	**48.3**	J	ug/L	1	1.4	10.0	50	EPA 6010B	10/23/07 14:58	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:59	VLO	
Nickel [7440-02-0] *	**3.2**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 14:58	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:58	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:58	VLO	
Thallium [7440-28-0] *	**0.040**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:24	JDH	
Vanadium [7440-62-2] *	**1.2**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 14:58	VLO	
Zinc [7440-66-6] *	**7.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 14:58	VLO	

www.encolabs.com

Description: 5503-MW30
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-05
Sampled: 10/16/07 09:00
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] *	2.0	U	mg/L	1	2.0	5.0	NE	SM4500-Cl/E	10/19/07 11:31	PEV	
Total Alkalinity [NA] *	**9.6**		mg/L	1	5.2	15	NE	EPA 310.2	10/19/07 12:15	PEV	
Total Dissolved Solids [NA] *	10	U	mg/L	1	10	10	NE	EPA 160.1	10/22/07 13:55	JOC	

www.encolabs.com

Description: 5503-MW30
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-05
Sampled: 10/16/07 09:00
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**1.2**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/22/07 19:01	RSA	

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

www.encolabs.com

Description: 5503-MW31
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-06
Sampled: 10/16/07 09:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 05:16	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 05:16	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 05:16	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 05:16	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 05:16	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 05:16	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 05:16	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 05:16	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 05:16	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 05:16	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 05:16	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 05:16	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 05:16	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 05:16	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 05:16	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 05:16	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 05:16	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 05:16	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 05:16	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 05:16	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 05:16	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 05:16	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 05:16	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 05:16	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 05:16	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 05:16	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 05:16	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 05:16	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 05:16	jkg	

www.encolabs.com

Description: 5503-MW31
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-06
Sampled: 10/16/07 09:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 05:16	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*53-138*	*7J28001*	*EPA 8260B*	*10/29/07 05:16*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*65-110*	*7J28001*	*EPA 8260B*	*10/29/07 05:16*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*72-114*	*7J28001*	*EPA 8260B*	*10/29/07 05:16*	*jkg*	

www.encolabs.com

Description: 5503-MW31
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-06
Sampled: 10/16/07 09:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:26	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:05	VLO	
Barium [7440-39-3] *	**6.80**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 15:05	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 15:05	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 15:05	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:05	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:05	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 15:05	VLO	
Iron [7439-89-6] *	**9990**		ug/L	1	20	50	300	EPA 6010B	10/23/07 15:05	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:05	VLO	
Manganese [7439-96-5] *	**41.7**	J	ug/L	1	1.4	10.0	50	EPA 6010B	10/23/07 15:05	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 14:02	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 15:05	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:05	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:05	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:26	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 15:05	VLO	
Zinc [7440-66-6] *	**3.1**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 15:05	VLO	

www.encolabs.com

Description: 5503-MW31
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-06
Sampled: 10/16/07 09:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] *	2.0	U	mg/L	1	2.0	5.0	NE	SM4500-Cl/E	10/19/07 11:31	PEV	
Total Alkalinity [NA] *	5.2	U	mg/L	1	5.2	15	NE	EPA 310.2	10/19/07 12:17	PEV	
Total Dissolved Solids [NA] *	10	U	mg/L	1	10	10	NE	EPA 160.1	10/22/07 13:55	JOC	

www.encolabs.com

Description: 5503-MW31
Matrix: Ground Water
Project: Lincoln County LF - C&D

Lab Sample ID: C713613-06
Sampled: 10/16/07 09:15
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713613

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**7.2**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/22/07 19:19	RSA	

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 7J26012 - EPA 5030B_MS

Blank (7J26012-BLK1) Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 12:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*35*			*ug/L*	*50.0*		*70*	*65-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J26012 - EPA 5030B_MS

Blank (7J26012-BLK1) Continued Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 12:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*53-138*			

LCS (7J26012-BS1) Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	20.0		64	43-131			
Benzene	21		1.0	ug/L	20.0		103	73-127			
Trichloroethene	20		1.0	ug/L	20.0		102	76-128			
Toluene	17		1.0	ug/L	20.0		85	71-112			
Chlorobenzene	19		1.0	ug/L	20.0		96	75-114			

Matrix Spike (7J26012-MS1) Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 13:29

Source: C713717-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	20.0	0.14 U	64	43-131			
Benzene	20		1.0	ug/L	20.0	0.12 U	98	73-127			
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	96	76-128			
Toluene	18		1.0	ug/L	20.0	0.15 U	88	71-112			
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	101	75-114			

Matrix Spike Dup (7J26012-MSD1) Prepared: 10/26/2007 11:20 Analyzed: 10/26/2007 13:58

Source: C713717-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	20.0	0.14 U	65	43-131	0.7	16	
Benzene	21		1.0	ug/L	20.0	0.12 U	106	73-127	8	18	
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	100	76-128	4	17	
Toluene	16		1.0	ug/L	20.0	0.15 U	82	71-112	8	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.16 U	93	75-114	8	17	

Batch 7J28001 - EPA 5030B_MS

Blank (7J28001-BLK1) Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 22:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J28001 - EPA 5030B_MS

Blank (7J28001-BLK1) Continued Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 22:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*65-110*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*53-138*			

LCS (7J28001-BS1) Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 22:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		92	43-131			
Benzene	20		1.0	ug/L	20.0		102	73-127			
Trichloroethene	20		1.0	ug/L	20.0		100	76-128			
Toluene	20		1.0	ug/L	20.0		101	71-112			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J28001 - EPA 5030B_MS

LCS (7J28001-BS1) Continued Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 22:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	20		1.0	ug/L	20.0		100	75-114			

Matrix Spike (7J28001-MS1) Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 23:25
Source: C715254-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.14 U	90	43-131			
Benzene	20		1.0	ug/L	20.0	0.12 U	101	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	102	76-128			
Toluene	21		1.0	ug/L	20.0	0.15 U	103	71-112			
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	103	75-114			

Matrix Spike Dup (7J28001-MSD1) Prepared: 10/28/2007 07:53 Analyzed: 10/28/2007 23:54
Source: C715254-02

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	0.14 U	95	43-131	6	16	
Benzene	20		1.0	ug/L	20.0	0.12 U	102	73-127	2	18	
Trichloroethene	21		1.0	ug/L	20.0	0.23 U	105	76-128	3	17	
Toluene	21		1.0	ug/L	20.0	0.15 U	104	71-112	1	23	
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	106	75-114	3	17	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Blank (7J19011-BLK1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	**2.1**	**J**	10.0	ug/L							
Barium	**0.30**	**J**	10.0	ug/L							QB-01
Beryllium	0.70	U	1.00	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	0.60	U	10.0	ug/L							
Iron	20	U	50	ug/L							
Lead	2.0	U	10.0	ug/L							
Manganese	1.4	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (7J19011-BS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

LCS (7J19011-BS1) Continued Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500		102	82-117			
Barium	522	B	10.0	ug/L	500		104	72-125			
Beryllium	252		1.00	ug/L	250		101	75-121			
Cadmium	257		1.00	ug/L	250		103	72-120			
Chromium	498		10.0	ug/L	500		100	78-119			
Cobalt	498		10.0	ug/L	500		100	76-117			
Copper	254		10.0	ug/L	250		102	80-117			
Iron	5010		50	ug/L	5000		100	84-133			
Lead	496		10.0	ug/L	500		99	72-121			
Manganese	247		10.0	ug/L	250		99	76-123			
Nickel	511		10.0	ug/L	500		102	78-116			
Selenium	528		10.0	ug/L	500		106	82-127			
Silver	45.6		10.0	ug/L	50.0		91	80-128			
Vanadium	246		10.0	ug/L	250		98	78-117			
Zinc	492		10.0	ug/L	500		98	80-120			

Matrix Spike (7J19011-MS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:13

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500	2.0 U	102	64-126			
Barium	570	B	10.0	ug/L	500	47.3	105	74-119			
Beryllium	251		1.00	ug/L	250	0.70 U	101	70-131			
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121			
Chromium	494		10.0	ug/L	500	2.0 U	99	73-120			
Cobalt	494		10.0	ug/L	500	2.0 U	99	76-120			
Copper	368		10.0	ug/L	250	114	102	75-123			
Iron	4980		50	ug/L	5000	20 U	100	48-144			
Lead	499		10.0	ug/L	500	3.1	99	68-126			
Manganese	305		10.0	ug/L	250	61.8	97	55-146			
Nickel	512		10.0	ug/L	500	4.3	102	64-126			
Selenium	534		10.0	ug/L	500	2.0 U	107	65-129			
Silver	46.2		10.0	ug/L	50.0	2.0 U	92	69-121			
Vanadium	246		10.0	ug/L	250	1.0 U	98	71-130			
Zinc	3040		10.0	ug/L	500	2600	89	63-131			

Matrix Spike Dup (7J19011-MSD1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:20

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511	B	10.0	ug/L	500	2.0 U	102	64-126	0.5	12	
Barium	575	B	10.0	ug/L	500	47.3	106	74-119	0.8	11	
Beryllium	253		1.00	ug/L	250	0.70 U	101	70-131	0.8	21	
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121	0.08	12	
Chromium	492		10.0	ug/L	500	2.0 U	98	73-120	0.3	10	
Cobalt	495		10.0	ug/L	500	2.0 U	99	76-120	0.3	17	
Copper	373		10.0	ug/L	250	114	104	75-123	1	16	
Iron	4980		50	ug/L	5000	20 U	100	48-144	0.06	23	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Matrix Spike Dup (7J19011-MSD1) Continued Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:20

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	500		10.0	ug/L	500	3.1	99	68-126	0.2	19	
Manganese	306		10.0	ug/L	250	61.8	98	55-146	0.4	19	
Nickel	515		10.0	ug/L	500	4.3	102	64-126	0.5	12	
Selenium	535		10.0	ug/L	500	2.0 U	107	65-129	0.2	10	
Silver	46.0		10.0	ug/L	50.0	2.0 U	92	69-121	0.4	12	
Vanadium	245		10.0	ug/L	250	1.0 U	98	71-130	0.4	16	
Zinc	3090		10.0	ug/L	500	2600	98	63-131	1	24	

Batch 7J19015 - EPA 3005A

Blank (7J19015-BLK1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 09:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	0.050	ug/L							

LCS (7J19015-BS1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 09:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.2		2.00	ug/L	25.0		97	85-115			
Thallium	25.6		0.050	ug/L	25.0		102	85-115			

Matrix Spike (7J19015-MS1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 10:02

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	21.9		2.00	ug/L	25.0	0.68 U	88	85-115			
Thallium	23.6		0.050	ug/L	25.0	0.111	94	85-115			

Matrix Spike Dup (7J19015-MSD1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 10:04

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	22.2		2.00	ug/L	25.0	0.68 U	89	85-115	1	20	
Thallium	24.4		0.050	ug/L	25.0	0.111	97	85-115	3	20	

Batch 7J22005 - EPA 7470A

Blank (7J22005-BLK1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (7J22005-BS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J22005 - EPA 7470A

LCS (7J22005-BS1) Continued Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.62		0.20	ug/L	5.00		92	87-123			

Matrix Spike (7J22005-MS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:09
Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.65		0.20	ug/L	5.00	0.11 U	93	63-132			

Matrix Spike Dup (7J22005-MSD1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:12
Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.72		0.20	ug/L	5.00	0.11 U	94	63-132	2	10	

Post Spike (7J22005-PS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:20
Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.43		0.20	ug/L	5.00	0.11 U	89	0-200			

Classical Chemistry Parameters - Quality Control

Batch 7J19004 - NO PREP

Blank (7J19004-BLK1) Prepared: 10/19/2007 08:41 Analyzed: 10/19/2007 12:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	5.2	U	15	mg/L							

LCS (7J19004-BS1) Prepared: 10/19/2007 08:41 Analyzed: 10/19/2007 12:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100		15	mg/L	100		101	80-120			

Matrix Spike (7J19004-MS1) Prepared: 10/19/2007 08:41 Analyzed: 10/19/2007 12:11
Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	110		15	mg/L	100	9.1	104	80-120			

Matrix Spike Dup (7J19004-MSD1) Prepared: 10/19/2007 08:41 Analyzed: 10/19/2007 12:12
Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	110		15	mg/L	100	9.1	99	80-120	5	25	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J19006 - NO PREP

Blank (7J19006-BLK1) Prepared: 10/19/2007 08:43 Analyzed: 10/19/2007 11:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	2.0	U	5.0	mg/L							

LCS (7J19006-BS1) Prepared: 10/19/2007 08:43 Analyzed: 10/19/2007 11:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100		103	80-120			

Matrix Spike (7J19006-MS1) Prepared: 10/19/2007 08:43 Analyzed: 10/19/2007 11:28

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100	1.0	103	80-120			

Matrix Spike Dup (7J19006-MSD1) Prepared: 10/19/2007 08:43 Analyzed: 10/19/2007 11:29

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100	1.0	101	80-120	2	25	

Batch 7J19009 - NO PREP

Blank (7J19009-BLK1) Prepared: 10/20/2007 13:10 Analyzed: 10/22/2007 13:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (7J19009-BS1) Prepared: 10/20/2007 13:10 Analyzed: 10/22/2007 13:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	290		10	mg/L	300		96	90-110			

Duplicate (7J19009-DUP1) Prepared: 10/20/2007 13:10 Analyzed: 10/22/2007 13:55

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L		10 U				10	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J22009 - NO PREP

Blank (7J22009-BLK1) Prepared: 10/22/2007 10:58 Analyzed: 10/22/2007 11:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	0.03	U	2.0	mg/L							

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J22009 - NO PREP

LCS (7J22009-BS1) Prepared: 10/22/2007 10:58 Analyzed: 10/22/2007 11:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	250		2.0	mg/L	250		98	90-115			

Matrix Spike (7J22009-MS1) Prepared: 10/22/2007 10:58 Analyzed: 10/22/2007 11:38

Source: A705977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	250		2.0	mg/L	255		99	90-115			

Matrix Spike Dup (7J22009-MSD1) Prepared: 10/22/2007 10:58 Analyzed: 10/22/2007 11:56

Source: A705977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	260		2.0	mg/L	255		101	90-115	2	10	

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.
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.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which is allowable under NELAC guidelines.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

1005 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-1040

Page 1 of 1

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: 9751 Southern Pine Blvd.	Project Name/Desc: Lincoln County LF - C&D
City/ST/Zip: Charlotte, NC 28273	PO # / Billing Info: 45034
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman, S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required): 5503

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn; Alkalinity 310.1, TDS 160.1; Chloride 300, Sulfate 300

Requested Turnaround Times
Note: Rush requests subject to acceptance by the facility
✓ Standard
___ Expedited
Due ___/___/___

Lab Workorder: C713613

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,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.1, TDS 160.1	Chloride 300, Sulfate 300							Sample Comments
	5503-MW26	10/18/07	1115	Grab	Water	6	X	X	X	X							
	5503-MW27		1105	Grab	Water	6	X	X	X	X							
	5503-MW28		1055	Grab	Water	6	X	X	X	X							
	5503-MW29		0843	Grab	Water	6	X	X	X	X							
	5503-MW30		0900	Grab	Water	6	X	X	X	X							
	5503-MW31		0915	Grab	Water	6	X	X	X	X							
						36	<-- Total # of Containers										

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CAM	9/25/07		10/17/07 1430		10/18/07 1270
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-296 1.8°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: H-Ice H-HCl N-HNO3 S-H2SO4 ND-NaOH O-Other (detail in comments)

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

www.encolabs.com

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

Friday, November 16, 2007

S&ME, Inc. (SM002)

Attn: Courtney Withers

9751 Southern Pine Blvd.

Charlotte, NC 28273

RE: Laboratory Results for
Project Number: 1356-07-004, Project Name/Desc: Lincoln County LF - Surface Waters
ENCO Workorder: C713641

Dear Courtney Withers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, October 18, 2007.

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

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

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

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

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 17.

CASE NARRATIVE

Date: November 16, 2007
Client: S&ME, Inc.
Project #: Lincoln County LF- Surface Waters
Lab ID: C713641

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Samples

The Metals Method Blank exhibited low-level detections (less than half of the MRL) of Arsenic and Barium. The associated samples had detections of Arsenic and Barium at concentrations less than the NC SWS Limits for those analytes.

Quality Control Remarks

none

Other Comments

The Acetone detections have been confirmed although the analyte has been determined to be a possible lab artifact.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative.

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-SW1 **Lab ID: C713641-01** **Sampled: 10/17/07 11:29** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/08	10/19/07 09:38	10/23/2007 15:33
EPA 6020	04/14/08	10/19/07 09:49	10/26/2007 10:31
EPA 7470A	11/14/07	10/22/07 09:02	10/23/2007 14:04
EPA 8260B	10/31/07	10/29/07 10:50	10/29/2007 14:33

Client ID: 5503-SW2 **Lab ID: C713641-02** **Sampled: 10/17/07 11:02** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/08	10/19/07 09:38	10/23/2007 15:40
EPA 6020	04/14/08	10/19/07 09:49	10/26/2007 10:34
EPA 7470A	11/14/07	10/22/07 09:02	10/23/2007 14:07
EPA 8260B	10/31/07	10/29/07 10:50	10/29/2007 15:02

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5503-SW1 **Lab ID: C713641-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.1	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Arsenic	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	48.3	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Iron	268	J	1	20	50	300	ug/L	EPA 6010B	
Manganese	69.7		1	1.4	10.0	50	ug/L	EPA 6010B	
Nickel	2.3	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Zinc	4.5	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 5503-SW2 **Lab ID: C713641-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	3.6	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Arsenic	3.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	16.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Iron	197	J	1	20	50	300	ug/L	EPA 6010B	
Manganese	12.7	J	1	1.4	10.0	50	ug/L	EPA 6010B	
Zinc	1.8	J	1	1.0	10.0	10	ug/L	EPA 6010B	

www.encolabs.com

ANALYTICAL RESULTS

Description: 5503-SW1
Matrix: Surface Water
Project: Lincoln County LF - Surface Waters

Lab Sample ID: C713641-01
Sampled: 10/17/07 11:29
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713641

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 14:33	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 14:33	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 14:33	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 14:33	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 14:33	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 14:33	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 14:33	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 14:33	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 14:33	jkg	
Acetone [67-64-1] *	**4.1**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 14:33	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 14:33	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 14:33	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 14:33	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 14:33	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 14:33	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 14:33	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 14:33	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 14:33	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 14:33	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 14:33	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 14:33	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 14:33	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 14:33	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 14:33	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 14:33	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 14:33	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 14:33	jkg	

www.encolabs.com

Description: 5503-SW1
Matrix: Surface Water
Project: Lincoln County LF - Surface Waters

Lab Sample ID: C713641-01
Sampled: 10/17/07 11:29
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713641

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 14:33	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 14:33	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 14:33	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*53-138*	*7J29013*	*EPA 8260B*	*10/29/07 14:33*	*jkg*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*65-110*	*7J29013*	*EPA 8260B*	*10/29/07 14:33*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*72-114*	*7J29013*	*EPA 8260B*	*10/29/07 14:33*	*jkg*	

www.encolabs.com

Description: 5503-SW1
Matrix: Surface Water
Project: Lincoln County LF - Surface Waters

Lab Sample ID: C713641-01
Sampled: 10/17/07 11:29
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713641

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:31	JDH	
Arsenic [7440-38-2] *	**2.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:33	VLO	
Barium [7440-39-3] *	**48.3**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 15:33	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 15:33	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 15:33	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:33	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:33	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 15:33	VLO	
Iron [7439-89-6] *	**268**	J	ug/L	1	20	50	300	EPA 6010B	10/23/07 15:33	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:33	VLO	
Manganese [7439-96-5] *	**69.7**		ug/L	1	1.4	10.0	50	EPA 6010B	10/23/07 15:33	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 14:04	VLO	
Nickel [7440-02-0] *	**2.3**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 15:33	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:33	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:33	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:31	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 15:33	VLO	
Zinc [7440-66-6] *	**4.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 15:33	VLO	

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

www.encolabs.com

Description: 5503-SW2
Matrix: Surface Water
Project: Lincoln County LF - Surface Waters

Lab Sample ID: C713641-02
Sampled: 10/17/07 11:02
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713641

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 15:02	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 15:02	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 15:02	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 15:02	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 15:02	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 15:02	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 15:02	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 15:02	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 15:02	jkg	
Acetone [67-64-1] *	**3.6**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 15:02	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 15:02	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 15:02	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 15:02	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 15:02	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 15:02	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 15:02	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 15:02	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 15:02	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 15:02	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 15:02	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 15:02	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 15:02	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 15:02	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 15:02	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 15:02	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 15:02	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 15:02	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 15:02	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 15:02	jkg	

www.encolabs.com

Description: 5503-SW2
Matrix: Surface Water
Project: Lincoln County LF - Surface Waters

Lab Sample ID: C713641-02
Sampled: 10/17/07 11:02
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713641

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 15:02	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-138*	*7J29013*	*EPA 8260B*	*10/29/07 15:02*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*65-110*	*7J29013*	*EPA 8260B*	*10/29/07 15:02*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*72-114*	*7J29013*	*EPA 8260B*	*10/29/07 15:02*	*jkg*	

www.encolabs.com

Description: 5503-SW2
Matrix: Surface Water
Project: Lincoln County LF - Surface Waters

Lab Sample ID: C713641-02
Sampled: 10/17/07 11:02
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713641

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:34	JDH	
Arsenic [7440-38-2] *	**3.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:40	VLO	
Barium [7440-39-3] *	**16.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 15:40	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 15:40	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 15:40	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:40	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:40	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 15:40	VLO	
Iron [7439-89-6] *	**197**	J	ug/L	1	20	50	300	EPA 6010B	10/23/07 15:40	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:40	VLO	
Manganese [7439-96-5] *	**12.7**	J	ug/L	1	1.4	10.0	50	EPA 6010B	10/23/07 15:40	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 14:07	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 15:40	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:40	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:40	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:34	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 15:40	VLO	
Zinc [7440-66-6] *	**1.8**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 15:40	VLO	

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 7J29013 - EPA 5030B_MS

Blank (7J29013-BLK1) Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 11:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*40*			*ug/L*	*50.0*		*81*	*65-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J29013 - EPA 5030B_MS

Blank (7J29013-BLK1) Continued Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 11:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*95*	*53-138*			

LCS (7J29013-BS1) Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 11:37

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	43-131			
Benzene	20		1.0	ug/L	20.0		102	73-127			
Trichloroethene	20		1.0	ug/L	20.0		102	76-128			
Toluene	19		1.0	ug/L	20.0		94	71-112			
Chlorobenzene	19		1.0	ug/L	20.0		95	75-114			

Matrix Spike (7J29013-MS1) Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 12:06
Source: C715254-04

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	0.14 U	93	43-131			
Benzene	19		1.0	ug/L	20.0	0.12 U	95	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	100	76-128			
Toluene	21		1.0	ug/L	20.0	0.15 U	103	71-112			
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	101	75-114			

Matrix Spike Dup (7J29013-MSD1) Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 12:35
Source: C715254-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.14 U	91	43-131	1	16	
Benzene	21		1.0	ug/L	20.0	0.12 U	104	73-127	10	18	
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	101	76-128	1	17	
Toluene	20		1.0	ug/L	20.0	0.15 U	98	71-112	5	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.16 U	95	75-114	6	17	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Blank (7J19011-BLK1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	**2.1**	**J**	10.0	ug/L							
Barium	**0.30**	**J**	10.0	ug/L							QB-01
Beryllium	0.70	U	1.00	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	0.60	U	10.0	ug/L							
Iron	20	U	50	ug/L							
Lead	2.0	U	10.0	ug/L							

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Blank (7J19011-BLK1) Continued Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Manganese	1.4	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (7J19011-BS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500		102	82-117			
Barium	522	B	10.0	ug/L	500		104	72-125			
Beryllium	252		1.00	ug/L	250		101	75-121			
Cadmium	257		1.00	ug/L	250		103	72-120			
Chromium	498		10.0	ug/L	500		100	78-119			
Cobalt	498		10.0	ug/L	500		100	76-117			
Copper	254		10.0	ug/L	250		102	80-117			
Iron	5010		50	ug/L	5000		100	84-133			
Lead	496		10.0	ug/L	500		99	72-121			
Manganese	247		10.0	ug/L	250		99	76-123			
Nickel	511		10.0	ug/L	500		102	78-116			
Selenium	528		10.0	ug/L	500		106	82-127			
Silver	45.6		10.0	ug/L	50.0		91	80-128			
Vanadium	246		10.0	ug/L	250		98	78-117			
Zinc	492		10.0	ug/L	500		98	80-120			

Matrix Spike (7J19011-MS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:13

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500	2.0 U	102	64-126			
Barium	570	B	10.0	ug/L	500	47.3	105	74-119			
Beryllium	251		1.00	ug/L	250	0.70 U	101	70-131			
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121			
Chromium	494		10.0	ug/L	500	2.0 U	99	73-120			
Cobalt	494		10.0	ug/L	500	2.0 U	99	76-120			
Copper	368		10.0	ug/L	250	114	102	75-123			
Iron	4980		50	ug/L	5000	20 U	100	48-144			
Lead	499		10.0	ug/L	500	3.1	99	68-126			
Manganese	305		10.0	ug/L	250	61.8	97	55-146			
Nickel	512		10.0	ug/L	500	4.3	102	64-126			
Selenium	534		10.0	ug/L	500	2.0 U	107	65-129			
Silver	46.2		10.0	ug/L	50.0	2.0 U	92	69-121			
Vanadium	246		10.0	ug/L	250	1.0 U	98	71-130			
Zinc	3040		10.0	ug/L	500	2600	89	63-131			

Matrix Spike Dup (7J19011-MSD1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:20

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Matrix Spike Dup (7J19011-MSD1) Continued Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:20

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511	B	10.0	ug/L	500	2.0 U	102	64-126	0.5	12	
Barium	575	B	10.0	ug/L	500	47.3	106	74-119	0.8	11	
Beryllium	253		1.00	ug/L	250	0.70 U	101	70-131	0.8	21	
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121	0.08	12	
Chromium	492		10.0	ug/L	500	2.0 U	98	73-120	0.3	10	
Cobalt	495		10.0	ug/L	500	2.0 U	99	76-120	0.3	17	
Copper	373		10.0	ug/L	250	114	104	75-123	1	16	
Iron	4980		50	ug/L	5000	20 U	100	48-144	0.06	23	
Lead	500		10.0	ug/L	500	3.1	99	68-126	0.2	19	
Manganese	306		10.0	ug/L	250	61.8	98	55-146	0.4	19	
Nickel	515		10.0	ug/L	500	4.3	102	64-126	0.5	12	
Selenium	535		10.0	ug/L	500	2.0 U	107	65-129	0.2	10	
Silver	46.0		10.0	ug/L	50.0	2.0 U	92	69-121	0.4	12	
Vanadium	245		10.0	ug/L	250	1.0 U	98	71-130	0.4	16	
Zinc	3090		10.0	ug/L	500	2600	98	63-131	1	24	

Batch 7J19015 - EPA 3005A

Blank (7J19015-BLK1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 09:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	0.050	ug/L							

LCS (7J19015-BS1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 09:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.2		2.00	ug/L	25.0		97	85-115			
Thallium	25.6		0.050	ug/L	25.0		102	85-115			

Matrix Spike (7J19015-MS1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 10:02

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	21.9		2.00	ug/L	25.0	0.68 U	88	85-115			
Thallium	23.6		0.050	ug/L	25.0	0.111	94	85-115			

Matrix Spike Dup (7J19015-MSD1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 10:04

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	22.2		2.00	ug/L	25.0	0.68 U	89	85-115	1	20	
Thallium	24.4		0.050	ug/L	25.0	0.111	97	85-115	3	20	

Batch 7J22005 - EPA 7470A

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J22005 - EPA 7470A

Blank (7J22005-BLK1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (7J22005-BS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.62		0.20	ug/L	5.00		92	87-123			

Matrix Spike (7J22005-MS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:09

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.65		0.20	ug/L	5.00	0.11 U	93	63-132			

Matrix Spike Dup (7J22005-MSD1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:12

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.72		0.20	ug/L	5.00	0.11 U	94	63-132	2	10	

Post Spike (7J22005-PS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:20

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.43		0.20	ug/L	5.00	0.11 U	89	0-200			

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.
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.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which is allowable under NELAC guidelines.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Page 1 of 1

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: 9751 Southern Pine Blvd.	Project Name/Desc: Lincoln County LF - Surface Waters
City/ST/Zip: Charlotte, NC 28273	PO # / Billing Info: 45034
Tel: (704) 523-4726 Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman, S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required): 5503

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

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C713641

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,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn									Sample Comments
	5503-SW1	10/17/07	1129	Grab	Water	4	X	X									
	5503-SW2	10/17/07	1102	Grab	Water	4	X	X									
	5503-SW3			Grab	Water	4	X	X									
	5503-SW4			Grab	Water	4	X	X									
	5503-SW5			Grab	Water	4	X	X									
						~~20~~ 8											

<- Total # of Containers

Sample Kit Prepared By: CAY	Date/Time: 9/26/07	Relinquished By:	Date/Time: 10/17/07 1430	Received By:	Date/Time: 10/18/07 12:00
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler # & Temp on Receipt: C-234 1.4°C		Condition Upon Receipt: Acceptable ___ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

www.encolabs.com

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

www.encolabs.com

Friday, November 16, 2007

S&ME, Inc. (SM002)

Attn: Courtney Withers

9751 Southern Pine Blvd.

Charlotte, NC 28273

RE: Laboratory Results for
Project Number: 1356-07-004, Project Name/Desc: Lincoln County LF - Leachate
ENCO Workorder: C713640

Dear Courtney Withers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, October 18, 2007.

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

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

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

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

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 21.

CASE NARRATIVE

Date: November 16, 2007
Client: S&ME, Inc.
Project #: Lincoln County LF- Leachate
Lab ID: C713640

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Samples

A low-level concentration (less than half of the MRL) of analyte was found in the Nitrite Method Blank, indicating a possible high bias. However, the associated sample detection was less than the NC SWS Limit for this analyte.

The Method Blank for the Metals analyses exhibited low level concentrations (less than half of the MRL) of Arsenic and Barium. The associated sample had detections of these analytes at concentrations greater than ten times that of the Method Blank.

The MSD for the COD analysis had recoveries outside of the acceptance criteria. The QC batch was approved based on passing LCS recoveries.

The MS and MSD for the Total Alkalinity analysis had recoveries outside of the acceptance criteria. This has been attributed to a possible matrix effect. The QC batch was approved based on passing LCS recoveries.

Quality Control Remarks

The RPD for the TSS analysis of the Duplicate was outside of the stated limits. However, precision of low level duplicates (low level refers to concentrations less than 20 times the MDL) is 25% or less per Table 1020I: Acceptance Limits for Duplicate Samples and Known Additions to Water and Wastewater, Standard Method 18T.

Other Comments

The Acetone detection has been confirmed although the analyte has been determined to be a possible lab artifact.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative.

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-Lift Station **Lab ID: C713640-01** **Sampled: 10/17/07 10:41** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.2	10/24/07	10/22/07 11:10	10/23/2007 09:10
EPA 300.0	11/14/07	10/22/07 10:58	10/22/2007 16:40
EPA 310.1	10/31/07	10/24/07 16:55	10/24/2007 16:55
EPA 353.1	11/14/07	10/23/07 08:14	10/23/2007 11:56
EPA 353.2	10/19/07 10:41	10/18/07 14:40	10/19/2007 08:55
EPA 353.2	11/14/07	10/24/07 19:06	10/25/2007 18:20
EPA 365.4	11/14/07	10/23/07 13:05	10/24/2007 14:56
EPA 405.1	10/19/07 10:41 10/23/07	10/18/07 15:30	10/23/2007 10:27
EPA 410.4	11/14/07	10/23/07 10:25	10/23/2007 13:50
EPA 6010B	04/14/08	10/19/07 09:38	10/23/2007 15:26
EPA 6020	04/14/08	10/19/07 09:49	10/26/2007 10:29
EPA 8260B	10/31/07	10/29/07 10:50	10/29/2007 14:04

Client ID: 5503-Trip Blank **Lab ID: C713640-02** **Sampled: 10/17/07 00:00** **Received: 10/18/07 12:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/31/07	10/29/07 10:50	10/29/2007 13:34

www.encolabs.com

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5503-Lift Station **Lab ID: C713640-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
4-Methyl-2-pentanone	3.1	J	5	1.8	25	100	ug/L	EPA 8260B	
Acetone	38	J	5	4.5	25	100	ug/L	EPA 8260B	
Arsenic	28.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	389		1	0.20	10.0	100	ug/L	EPA 6010B	
Biochemical Oxygen Demand	26		1	2.0	2.0	NE	mg/L	EPA 405.1	
Chemical Oxygen Demand	600		1	10	10	NE	mg/L	EPA 410.4	
Cobalt	19.5		1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	19.9		1	2.0	10.0	10	ug/L	EPA 6010B	
Methylene chloride	9.8		5	0.44	10	1	ug/L	EPA 8260B	
Nickel	55.3		1	2.0	10.0	50	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.13		1	0.004	0.050	NE	mg/L	EPA 353.1	
Nitrite as N	0.12	J	1	0.006	0.10	1	mg/L	EPA 353.2	
Phosphorus	6.0		2	0.040	0.060	NE	mg/L	EPA 365.4	
Sulfate	25	J	10	0.30	20	250	mg/L	EPA 300.0	
Thallium	0.278	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Total Alkalinity	1600		1	2.0	2.0	NE	mg/L	EPA 310.1	
Total Suspended Solids	320		1	1.0	1.0	NE	mg/L	EPA 160.2	
trans-1,3-Dichloropropene	1.8		5	0.90	1.0	1	ug/L	EPA 8260B	
Vanadium	26.7		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	505		1	1.0	10.0	10	ug/L	EPA 6010B	

www.encolabs.com

ANALYTICAL RESULTS

Description: 5503-Lift Station
Matrix: Ground Water
Project: Lincoln County LF - Leachate

Lab Sample ID: C713640-01
Sampled: 10/17/07 10:41
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713640

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] *	0.80	U	ug/L	5	0.80	5.0	5	EPA 8260B	10/29/07 14:04	jkg	
1,1,1-Trichloroethane [71-55-6] *	1.2	U	ug/L	5	1.2	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	1.4	U	ug/L	5	1.4	5.0	3	EPA 8260B	10/29/07 14:04	jkg	
1,1,2-Trichloroethane [79-00-5] *	1.2	U	ug/L	5	1.2	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
1,1-Dichloroethane [75-34-3] *	0.45	U	ug/L	5	0.45	5.0	5	EPA 8260B	10/29/07 14:04	jkg	
1,1-Dichloroethene [75-35-4] *	0.70	U	ug/L	5	0.70	5.0	5	EPA 8260B	10/29/07 14:04	jkg	
1,2,3-Trichloropropane [96-18-4] *	1.6	U	ug/L	5	1.6	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.95	U	ug/L	5	0.95	5.0	13	EPA 8260B	10/29/07 14:04	jkg	
1,2-Dibromoethane [106-93-4] *	0.95	U	ug/L	5	0.95	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.85	U	ug/L	5	0.85	5.0	5	EPA 8260B	10/29/07 14:04	jkg	
1,2-Dichloroethane [107-06-2] *	1.8	U	ug/L	5	1.8	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
1,2-Dichloropropane [78-87-5] *	0.90	U	ug/L	5	0.90	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.75	U	ug/L	5	0.75	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
2-Butanone [78-93-3] *	2.8	U	ug/L	5	2.8	25	100	EPA 8260B	10/29/07 14:04	jkg	
2-Hexanone [591-78-6] *	1.2	U	ug/L	5	1.2	25	50	EPA 8260B	10/29/07 14:04	jkg	
4-Methyl-2-pentanone [108-10-1] *	**3.1**	J	ug/L	5	1.8	25	100	EPA 8260B	10/29/07 14:04	jkg	
Acetone [67-64-1] *	**38**	J	ug/L	5	4.5	25	100	EPA 8260B	10/29/07 14:04	jkg	
Acrylonitrile [107-13-1] *	10	U	ug/L	5	10	25	200	EPA 8260B	10/29/07 14:04	jkg	
Benzene [71-43-2] *	0.60	U	ug/L	5	0.60	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Bromochloromethane [74-97-5] *	0.95	U	ug/L	5	0.95	5.0	3	EPA 8260B	10/29/07 14:04	jkg	
Bromodichloromethane [75-27-4] *	0.95	U	ug/L	5	0.95	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Bromoform [75-25-2] *	1.8	U	ug/L	5	1.8	5.0	3	EPA 8260B	10/29/07 14:04	jkg	
Bromomethane [74-83-9] *	1.0	U	ug/L	5	1.0	5.0	10	EPA 8260B	10/29/07 14:04	jkg	
Carbon disulfide [75-15-0] *	0.60	U	ug/L	5	0.60	25	100	EPA 8260B	10/29/07 14:04	jkg	
Carbon tetrachloride [56-23-5] *	1.9	U	ug/L	5	1.9	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Chlorobenzene [108-90-7] *	0.80	U	ug/L	5	0.80	5.0	3	EPA 8260B	10/29/07 14:04	jkg	
Chloroethane [75-00-3] *	2.0	U	ug/L	5	2.0	5.0	10	EPA 8260B	10/29/07 14:04	jkg	
Chloroform [67-66-3] *	0.80	U	ug/L	5	0.80	5.0	5	EPA 8260B	10/29/07 14:04	jkg	
Chloromethane [74-87-3] *	0.90	U	ug/L	5	0.90	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.70	U	ug/L	5	0.70	5.0	5	EPA 8260B	10/29/07 14:04	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.80	U	ug/L	5	0.80	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Dibromochloromethane [124-48-1] *	0.90	U	ug/L	5	0.90	5.0	3	EPA 8260B	10/29/07 14:04	jkg	
Dibromomethane [74-95-3] *	0.70	U	ug/L	5	0.70	5.0	10	EPA 8260B	10/29/07 14:04	jkg	
Ethylbenzene [100-41-4] *	0.85	U	ug/L	5	0.85	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Iodomethane [74-88-4] *	1.2	U	ug/L	5	1.2	10	10	EPA 8260B	10/29/07 14:04	jkg	
Methylene chloride [75-09-2] *	**9.8**		ug/L	5	0.44	10	1	EPA 8260B	10/29/07 14:04	jkg	
Styrene [100-42-5] *	0.60	U	ug/L	5	0.60	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Tetrachloroethene [127-18-4] *	1.2	U	ug/L	5	1.2	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Toluene [108-88-3] *	0.75	U	ug/L	5	0.75	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.50	U	ug/L	5	0.50	5.0	5	EPA 8260B	10/29/07 14:04	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	**1.8**		ug/L	5	0.90	1.0	1	EPA 8260B	10/29/07 14:04	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	3.0	U	ug/L	5	3.0	5.0	100	EPA 8260B	10/29/07 14:04	jkg	
Trichloroethene [79-01-6] *	1.2	U	ug/L	5	1.2	5.0	1	EPA 8260B	10/29/07 14:04	jkg	

www.encolabs.com

Description: 5503-Lift Station
Matrix: Ground Water
Project: Lincoln County LF - Leachate

Lab Sample ID: C713640-01
Sampled: 10/17/07 10:41
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713640

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] *	0.80	U	ug/L	5	0.80	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Vinyl acetate [108-05-4] *	0.95	U	ug/L	5	0.95	10	50	EPA 8260B	10/29/07 14:04	jkg	
Vinyl chloride [75-01-4] *	0.75	U	ug/L	5	0.75	5.0	1	EPA 8260B	10/29/07 14:04	jkg	
Xylenes (Total) [1330-20-7]	1.0	U	ug/L	5	1.0	5.0	5	EPA 8260B	10/29/07 14:04	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*53-138*	*7J29013*	*EPA 8260B*	*10/29/07 14:04*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*65-110*	*7J29013*	*EPA 8260B*	*10/29/07 14:04*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J29013*	*EPA 8260B*	*10/29/07 14:04*	*jkg*	

www.encolabs.com

Description: 5503-Lift Station
Matrix: Ground Water
Project: Lincoln County LF - Leachate

Lab Sample ID: C713640-01
Sampled: 10/17/07 10:41
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713640

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/26/07 10:29	JDH	
Arsenic [7440-38-2] *	**28.3**		ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:26	VLO	
Barium [7440-39-3] *	**389**		ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 15:26	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/23/07 15:26	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 15:26	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:26	VLO	
Cobalt [7440-48-4] *	**19.5**		ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:26	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/23/07 15:26	VLO	
Lead [7439-92-1] *	**19.9**		ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:26	VLO	
Nickel [7440-02-0] *	**55.3**		ug/L	1	2.0	10.0	50	EPA 6010B	10/23/07 15:26	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:26	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 15:26	VLO	
Thallium [7440-28-0] *	**0.278**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/26/07 10:29	JDH	
Vanadium [7440-62-2] *	**26.7**		ug/L	1	1.0	10.0	25	EPA 6010B	10/23/07 15:26	VLO	
Zinc [7440-66-6] *	**505**		ug/L	1	1.0	10.0	10	EPA 6010B	10/23/07 15:26	VLO	

www.encolabs.com

Description: 5503-Lift Station
Matrix: Ground Water
Project: Lincoln County LF - Leachate

Lab Sample ID: C713640-01
Sampled: 10/17/07 10:41
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713640

Classical Chemistry Parameters

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [NA] *	**26**		mg/L	1	2.0	2.0	NE	EPA 405.1	10/23/07 10:27	GPW	
Chemical Oxygen Demand [NA] *	**600**		mg/L	1	10	10	NE	EPA 410.4	10/23/07 13:50	CKN	
Nitrate as N [14797-55-8] *	0.007	U	mg/L	1	0.007	0.10	10	EPA 353.2	10/25/07 18:20	AJ	
Nitrite as N [14797-65-0] *	**0.12**	J	mg/L	1	0.006	0.10	1	EPA 353.2	10/19/07 08:55	PEV	
Total Alkalinity [NA] *	**1600**		mg/L	1	2.0	2.0	NE	EPA 310.1	10/24/07 16:55	CKN	
Total Suspended Solids [NA] *	**320**		mg/L	1	1.0	1.0	NE	EPA 160.2	10/23/07 09:10	FLT	

www.encolabs.com

Description: 5503-Lift Station
Matrix: Ground Water
Project: Lincoln County LF - Leachate

Lab Sample ID: C713640-01
Sampled: 10/17/07 10:41
Sampled By: Tom Steelman

Received: 10/18/07 12:00
Work Order: C713640

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Nitrate/Nitrite as N [NA] *	**0.13**		mg/L	1	0.004	0.050	NE	EPA 353.1	10/23/07 11:56	KG	
Phosphorus [7723-14-0] *	**6.0**		mg/L	2	0.040	0.060	NE	EPA 365.4	10/24/07 14:56	NS	
Sulfate [14808-79-8] *	**25**	J	mg/L	10	0.30	20	250	EPA 300.0	10/22/07 16:40	RSA	

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

www.encolabs.com

Description: 5503-Trip Blank
Matrix: Water
Project: Lincoln County LF - Leachate

Lab Sample ID: C713640-02
Sampled: 10/17/07 00:00
Sampled By:

Received: 10/18/07 12:00
Work Order: C713640

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] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 13:34	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/29/07 13:34	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/29/07 13:34	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 13:34	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/29/07 13:34	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/07 13:34	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/29/07 13:34	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/29/07 13:34	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/29/07 13:34	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/29/07 13:34	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/29/07 13:34	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/29/07 13:34	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/29/07 13:34	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/29/07 13:34	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/29/07 13:34	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/29/07 13:34	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/29/07 13:34	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/29/07 13:34	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/29/07 13:34	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/29/07 13:34	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/07 13:34	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/29/07 13:34	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/29/07 13:34	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/29/07 13:34	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/29/07 13:34	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/29/07 13:34	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/29/07 13:34	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/29/07 13:34	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/07 13:34	jkg	

www.encolabs.com

Description: 5503-Trip Blank
Matrix: Water
Project: Lincoln County LF - Leachate

Lab Sample ID: C713640-02
Sampled: 10/17/07 00:00
Sampled By:

Received: 10/18/07 12:00
Work Order: C713640

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
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/07 13:34	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J29013*	*EPA 8260B*	*10/29/07 13:34*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*65-110*	*7J29013*	*EPA 8260B*	*10/29/07 13:34*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*72-114*	*7J29013*	*EPA 8260B*	*10/29/07 13:34*	*jkg*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J29013 - EPA 5030B_MS

Blank (7J29013-BLK1) Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 11:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*40*			*ug/L*	*50.0*		*81*	*65-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J29013 - EPA 5030B_MS

Blank (7J29013-BLK1) Continued Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 11:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*95*	*53-138*			

LCS (7J29013-BS1) Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 11:37

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	43-131			
Benzene	20		1.0	ug/L	20.0		102	73-127			
Trichloroethene	20		1.0	ug/L	20.0		102	76-128			
Toluene	19		1.0	ug/L	20.0		94	71-112			
Chlorobenzene	19		1.0	ug/L	20.0		95	75-114			

Matrix Spike (7J29013-MS1) Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 12:06
Source: C715254-04

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	0.14 U	93	43-131			
Benzene	19		1.0	ug/L	20.0	0.12 U	95	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	100	76-128			
Toluene	21		1.0	ug/L	20.0	0.15 U	103	71-112			
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	101	75-114			

Matrix Spike Dup (7J29013-MSD1) Prepared: 10/29/2007 10:50 Analyzed: 10/29/2007 12:35
Source: C715254-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.14 U	91	43-131	1	16	
Benzene	21		1.0	ug/L	20.0	0.12 U	104	73-127	10	18	
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	101	76-128	1	17	
Toluene	20		1.0	ug/L	20.0	0.15 U	98	71-112	5	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.16 U	95	75-114	6	17	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Blank (7J19011-BLK1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	**2.1**	**J**	10.0	ug/L							
Barium	**0.30**	**J**	10.0	ug/L							QB-01
Beryllium	0.70	U	1.00	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	0.60	U	10.0	ug/L							
Lead	2.0	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Blank (7J19011-BLK1) Continued Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (7J19011-BS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500		102	82-117			
Barium	522	B	10.0	ug/L	500		104	72-125			
Beryllium	252		1.00	ug/L	250		101	75-121			
Cadmium	257		1.00	ug/L	250		103	72-120			
Chromium	498		10.0	ug/L	500		100	78-119			
Cobalt	498		10.0	ug/L	500		100	76-117			
Copper	254		10.0	ug/L	250		102	80-117			
Lead	496		10.0	ug/L	500		99	72-121			
Nickel	511		10.0	ug/L	500		102	78-116			
Selenium	528		10.0	ug/L	500		106	82-127			
Silver	45.6		10.0	ug/L	50.0		91	80-128			
Vanadium	246		10.0	ug/L	250		98	78-117			
Zinc	492		10.0	ug/L	500		98	80-120			

Matrix Spike (7J19011-MS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:13

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500	2.0 U	102	64-126			
Barium	570	B	10.0	ug/L	500	47.3	105	74-119			
Beryllium	251		1.00	ug/L	250	0.70 U	101	70-131			
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121			
Chromium	494		10.0	ug/L	500	2.0 U	99	73-120			
Cobalt	494		10.0	ug/L	500	2.0 U	99	76-120			
Copper	368		10.0	ug/L	250	114	102	75-123			
Lead	499		10.0	ug/L	500	3.1	99	68-126			
Nickel	512		10.0	ug/L	500	4.3	102	64-126			
Selenium	534		10.0	ug/L	500	2.0 U	107	65-129			
Silver	46.2		10.0	ug/L	50.0	2.0 U	92	69-121			
Vanadium	246		10.0	ug/L	250	1.0 U	98	71-130			
Zinc	3040		10.0	ug/L	500	2600	89	63-131			

Matrix Spike Dup (7J19011-MSD1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:20

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511	B	10.0	ug/L	500	2.0 U	102	64-126	0.5	12	
Barium	575	B	10.0	ug/L	500	47.3	106	74-119	0.8	11	
Beryllium	253		1.00	ug/L	250	0.70 U	101	70-131	0.8	21	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Matrix Spike Dup (7J19011-MSD1) Continued Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:20

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121	0.08	12	
Chromium	492		10.0	ug/L	500	2.0 U	98	73-120	0.3	10	
Cobalt	495		10.0	ug/L	500	2.0 U	99	76-120	0.3	17	
Copper	373		10.0	ug/L	250	114	104	75-123	1	16	
Lead	500		10.0	ug/L	500	3.1	99	68-126	0.2	19	
Nickel	515		10.0	ug/L	500	4.3	102	64-126	0.5	12	
Selenium	535		10.0	ug/L	500	2.0 U	107	65-129	0.2	10	
Silver	46.0		10.0	ug/L	50.0	2.0 U	92	69-121	0.4	12	
Vanadium	245		10.0	ug/L	250	1.0 U	98	71-130	0.4	16	
Zinc	3090		10.0	ug/L	500	2600	98	63-131	1	24	

Batch 7J19015 - EPA 3005A

Blank (7J19015-BLK1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 09:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	0.050	ug/L							

LCS (7J19015-BS1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 09:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.2		2.00	ug/L	25.0		97	85-115			
Thallium	25.6		0.050	ug/L	25.0		102	85-115			

Matrix Spike (7J19015-MS1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 10:02

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	21.9		2.00	ug/L	25.0	0.68 U	88	85-115			
Thallium	23.6		0.050	ug/L	25.0	0.111	94	85-115			

Matrix Spike Dup (7J19015-MSD1) Prepared: 10/19/2007 09:49 Analyzed: 10/26/2007 10:04

Source: C713613-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	22.2		2.00	ug/L	25.0	0.68 U	89	85-115	1	20	
Thallium	24.4		0.050	ug/L	25.0	0.111	97	85-115	3	20	

Classical Chemistry Parameters - Quality Control

Batch 7J18010 - NO PREP

Blank (7J18010-BLK1) Prepared: 10/18/2007 15:30 Analyzed: 10/23/2007 10:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	2.0	U	2.0	mg/L							

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J18010 - NO PREP

LCS (7J18010-BS1) Prepared: 10/18/2007 15:30 Analyzed: 10/23/2007 10:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	210		2.0	mg/L	198		104	82-118			

Duplicate (7J18010-DUP1) Prepared: 10/18/2007 15:30 Analyzed: 10/23/2007 10:27

Source: C714942-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	2.0	U	2.0	mg/L		2.0 U				25	

Batch 7J18017 - NO PREP

Blank (7J18017-BLK1) Prepared: 10/18/2007 14:40 Analyzed: 10/19/2007 08:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	**0.019**	**JB**	0.10	mg/L							B

LCS (7J18017-BS1) Prepared: 10/18/2007 14:40 Analyzed: 10/19/2007 08:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.96	B	0.10	mg/L	1.00		96	80-120			

Matrix Spike (7J18017-MS1) Prepared: 10/18/2007 14:40 Analyzed: 10/19/2007 08:51

Source: C713659-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.1	B	0.10	mg/L	1.00	0.071	102	80-120			

Matrix Spike Dup (7J18017-MSD1) Prepared: 10/18/2007 14:40 Analyzed: 10/19/2007 08:53

Source: C713659-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.1	B	0.10	mg/L	1.00	0.071	101	80-120	1	25	

Batch 7J22006 - NO PREP

Blank (7J22006-BLK1) Prepared: 10/22/2007 11:10 Analyzed: 10/23/2007 09:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	1.0	U	1.0	mg/L							

LCS (7J22006-BS1) Prepared: 10/22/2007 11:10 Analyzed: 10/23/2007 09:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	85		1.0	mg/L	80.0		106	82-119			

Duplicate (7J22006-DUP1) Prepared: 10/22/2007 11:10 Analyzed: 10/23/2007 09:10

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J22006 - NO PREP

Duplicate (7J22006-DUP1) Continued Prepared: 10/22/2007 11:10 Analyzed: 10/23/2007 09:10

Source: C714489-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	1.1		1.0	mg/L		1.2			13	10	

Batch 7J23004 - NO PREP

Blank (7J23004-BLK1) Prepared: 10/23/2007 10:25 Analyzed: 10/23/2007 13:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	10	U	10	mg/L							

LCS (7J23004-BS1) Prepared: 10/23/2007 10:25 Analyzed: 10/23/2007 13:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	500		10	mg/L	500		99	90-110			

Matrix Spike (7J23004-MS1) Prepared: 10/23/2007 10:25 Analyzed: 10/23/2007 13:50

Source: C713289-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	640		10	mg/L	500	190	90	90-110			

Matrix Spike Dup (7J23004-MSD1) Prepared: 10/23/2007 10:25 Analyzed: 10/23/2007 13:50

Source: C713289-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	610		10	mg/L	500	190	84	90-110	5	15	QM-07

Batch 7J24015 - NO PREP

Blank (7J24015-BLK1) Prepared & Analyzed: 10/24/2007 16:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	2.0	U	2.0	mg/L							

LCS (7J24015-BS1) Prepared & Analyzed: 10/24/2007 16:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	120		2.0	mg/L	125		94	80-120			

Matrix Spike (7J24015-MS1) Prepared & Analyzed: 10/24/2007 16:55

Source: C713640-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	1600		2.0	mg/L	125	1600	18	80-120			QM-07, QM-13

Matrix Spike Dup (7J24015-MSD1) Prepared & Analyzed: 10/24/2007 16:55

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J24015 - NO PREP

Matrix Spike Dup (7J24015-MSD1) Continued Prepared & Analyzed: 10/24/2007 16:55

Source: C713640-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	1600		2.0	mg/L	125	1600	26	80-120	0.7	25	QM-07, QM-13

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J22009 - NO PREP

Blank (7J22009-BLK1) Prepared: 10/22/2007 10:58 Analyzed: 10/22/2007 11:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	0.03	U	2.0	mg/L							

LCS (7J22009-BS1) Prepared: 10/22/2007 10:58 Analyzed: 10/22/2007 11:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	250		2.0	mg/L	250		98	90-115			

Matrix Spike (7J22009-MS1) Prepared: 10/22/2007 10:58 Analyzed: 10/22/2007 11:38

Source: A705977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	250		2.0	mg/L	255		99	90-115			

Matrix Spike Dup (7J22009-MSD1) Prepared: 10/22/2007 10:58 Analyzed: 10/22/2007 11:56

Source: A705977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	260		2.0	mg/L	255		101	90-115	2	10	

Batch 7J23001 - NO PREP

Blank (7J23001-BLK2) Prepared: 10/23/2007 08:14 Analyzed: 10/23/2007 11:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.004	U	0.050	mg/L							

LCS (7J23001-BS1) Prepared: 10/23/2007 08:14 Analyzed: 10/23/2007 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.53		0.050	mg/L	0.500		106	84-116			

LCS (7J23001-BS2) Prepared: 10/23/2007 08:14 Analyzed: 10/23/2007 11:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.51		0.050	mg/L	0.500		102	84-116			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J23001 - NO PREP

Matrix Spike (7J23001-MS1) Prepared: 10/23/2007 08:14 Analyzed: 10/23/2007 10:50

Source: A705440-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.0	D	0.25	mg/L	0.500	0.56	92	84-116			

Matrix Spike Dup (7J23001-MSD1) Prepared: 10/23/2007 08:14 Analyzed: 10/23/2007 10:51

Source: A705440-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.0	D	0.25	mg/L	0.500	0.56	95	84-116	1	10	

Batch 7J23008 - NO PREP

Blank (7J23008-BLK1) Prepared: 10/23/2007 13:05 Analyzed: 10/24/2007 14:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	0.020	U	0.030	mg/L							

LCS (7J23008-BS1) Prepared: 10/23/2007 13:05 Analyzed: 10/24/2007 14:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.5		0.030	mg/L	2.50		101	89-107			

Matrix Spike (7J23008-MS1) Prepared: 10/23/2007 13:05 Analyzed: 10/24/2007 14:26

Source: A705988-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	3.3		0.030	mg/L	2.50	0.97	95	89-107			

Matrix Spike Dup (7J23008-MSD1) Prepared: 10/23/2007 13:05 Analyzed: 10/24/2007 14:27

Source: A705988-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	3.4		0.030	mg/L	2.50	0.97	99	89-107	3	10	

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.
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.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which is allowable under NELAC guidelines.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-13	Suspected matrix effects

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Page 1 of 1

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: 9751 Southern Pine Blvd.	Project Name/Desc: Lincoln County LF - Leachate
City/ST/Zip: Charlotte, NC 28273	PO # / Billing Info: 45034
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman, S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required): 5503

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C713640

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	Alkalinity 310.1, Nitrite as N 353.2	BOD 405.1	COD 410.4	Nitrate Calc 353.2	NOX 353.2,P	Sulfate 300, TSS 160.2			Sample Comments
	5503-Lift Station	10/17/07	1041	Grab	Water	10	X	X	X	X	X	X	X	X			
	5503 Trip Blank	10/17/07		Grab	Water	2	X										
						12	<-- Total # of Containers										

Preservation (See Codes) (Combine as necessary)

Sample Kit Prepared By: CARY	Date/Time: 9/26/07	Relinquished By:	Date/Time: 10/17/07 1430	Received By:	Date/Time: 10/18/07 12:00
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-244 1.8°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

www.encolabs.com