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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):

S&ME, Inc. (Consultant)

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

Name: Julie R. Petersen, PG 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 Road, Crouse NC	55-03	.0500 and .1600	April 9-11, 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, PG	Project Manager	704-523-4726
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Julie R. Petersen 9/7/07
Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1995 GEOLOGIST JULIE R. PETERSEN

Revised 10/2006

APRIL 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

Received
2007
Waste Management

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

Al Quarles, PG
Senior Hydrogeologist

September 7, 2007

LETTER OF TRANSMITTAL

S&ME, Inc.
9751 Southern Pine Blvd.
Charlotte, North Carolina 28273
(704) 523-4726
Fax (704) 525-3953

DATE 9/7/07	JOB NO. 1356-07-004
ATTENTION **Jaclynne Drummond**	
RE: **Lincoln County Landfill**	
April 2007 Monitoring Report	
North Carolina Department of Environment and Natural Resources	
Department of Waste Management – Solid Waste Section	
1646 Mail Service Center	**Phone:**
Raleigh, North Carolina 27699 -1646	**Fax:**

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☒ Report ☐ Calculation ☐ CD

COPIES	DATE	NO.	DESCRIPTION
1			**Lincoln County Landfill - April 2007 Monitoring Report**

THESE ARE TRANSMITTED as checked below:

☐ For approval
☒ **For your use**
☐ As requested
☐ For review and comment ☐ Sign and Return
☐ FOR BIDS DUE ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

COPY TO **File**

SIGNED Julie R. Petersen
Julie R. Petersen, P.G.

IF ENCLOSURES ARE NOT AS NOTED, PLEASE NOTIFY US AT ONCE.

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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 April 9 through 11, 2007.

This report presents the results of the first sampling event for the year 2007 at the facility, which included the sampling of one background well (MW-1A), twenty-eight compliance wells, five surface water locations, and one leachate sample. The next sampling event is scheduled for October 2007.

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 samples 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 compounds (VOCs) and Appendix I metals. 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 is background well MW-1A, compliance wells MW-8, MW-9, and

MW-10 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, thirteen volatile organic compounds and thirteen metals were detected in the MSW Area "E" and Phase 1 monitoring wells during the April 2007 monitoring event.

Volatile Organic Compounds (VOCs)

Background well MW-1A had detections of Bromodichloromethane and Chloroform. Bromodichloromethane was detected between the method detection limit (MDL) and method reporting limit (MRL) at 0.66 µg/L, which is above the NCAC 2L standard and SW GWP standard of 0.56 µg/L. Chloroform was detected at 13 µg/L, which is below its respective 2L standard of 70 µg/L. The constituents detected in background monitoring well MW-1A are commonly associated with chlorinated municipal water. Due to MW-1A's close proximity to Crouse Road, it is likely that the VOCs detected in the well are from a leaking nearby municipal water or sewer line.

Monitoring wells MW-13, MW-14, MW-16, MW-17, MW-19, and MW-20 Contained one to nine volatile organic compounds. Of the VOCs detected, three compounds were detected above their respective 2L Standard: Methylene Chloride, Tetrachloroethene, and Vinyl Chloride.

The analytical results for monitoring well MW-13 indicated that Tetrachloroethene and Vinyl Chloride were detected above their respective 2L Standard at concentrations of 6 and 0.94J µg/L, respectively. The results for monitoring well MW-16 indicated that Methylene Chloride and Vinyl Chloride were detected above their respective 2L Standard at concentrations of 9.8 and 2.7 µg/L, respectively. Both monitoring wells MW-13 and MW-16 monitor downgradient and side gradient of the unlined Area "E" landfill and the volatile organic constituents detected in the 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 three or more Appendix I metals detections, however only two constituents were detected above their respective SW GWP Standard: Cobalt and Thallium.

Cobalt was detected above its SW GWP Standard of 2 µg/L in monitoring wells MW-12, MW-13, MW-16, MW-17, and MW-18 at concentrations ranging from 2.1J to 118 µg/L. Thallium was detected above its SW GWP Standard of 0.28 µg/L in monitoring wells MW-13 and MW-16 at 1.04J and 1.24J µg/L, respectively.

Total metal concentrations in groundwater sampled from wells are often dependent 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 sample collection, metals contained within the particulates are dissolved into the water 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 the historical water quality data, the background well and each of the compliance wells (excluding MW-19) have contained at least one total metal at concentrations above the 2L standards. Metal concentrations in several wells have fluctuated between non-detect and detect. 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 are 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 these areas 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.

Based on the laboratory analytical reports, no volatile organic compounds were detected in the MSW Phase 2 monitoring wells during the April 2007 monitoring event. However, all of the Phase 2 monitoring wells had at least seven or more detected metals. Of the metals detected; only two constituents had concentrations above their respective SW GWP Standard: Antimony and Cobalt.

Antimony was detected in monitoring well MW-25A at a concentration of 4.28J µg/L, which is above the SW GWP Standard of 1.4 µg/L, but below the NCAC 2L Standard of 6 µg/L. Cobalt was detected in MW-24 at a concentration of 4.1J µg/L, which is above the SW GWP Standard of 2 µg/L.

As previously discussed above, it appears that the majority of the metals detected within the monitoring wells are either naturally occurring or are 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 as Table 4. The monitoring well network associated with these areas is 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)

Monitoring well locations MW-32R, MW-33, MW-33A, MW-34, and MW-35 detected no volatile organic compounds during the April 2007 monitoring event; however MW-35A had eleven VOC detections, three of which were above their respective 2L Standard and/or SW GWP Standard.

Monitoring well MW-35A has not had any VOC detections in the past and the shallow monitoring well within the well nest, MW-33, had no VOC detections during this sampling event, or during previous sampling events.

Monitoring well MW-35A was re-sampled on July 25, 2007 to compare with the April 2007 results. Based on the July 2007 results, no volatile organic constituents were detected, which would indicate that the April 2007 results may have been due to laboratory contamination of the sample and not from a release from the landfill.

Inorganic Constituents (Metals)

All of the monitoring wells associated with the MSW Phase 3 landfill had three or more Appendix I metals detections, however only one constituent was detected above its SW GWP Standard: Cobalt.

Cobalt was detected in monitoring well MW-34 at a concentration of 3.5J µg/L, which is above its SW GWP Standard of 2 µg/L. As previously discussed above, it appears that the majority of the metals detected within the monitoring wells are either naturally occurring or are 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 C&D landfill is included as Table 5 and 6. The monitoring well network associated with the C&D Landfill is 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-29, and MW-31 had no volatile organic constituents detected during the April 2007 monitoring event; however the laboratory analytical results indicted that monitoring wells MW-27 and MW-30 had at least one VOC detection.

Monitoring well MW-27 had detections of cis-1,2-dichloroethene and trichlorofluoromethane at concentrations of 0.46J and 2 µg/L respectively, which are both below their respective 2L Standards.

Monitoring well MW-30 had a detection of chloroform at a concentration of 0.42J µg/L, which is below the 2L standard of 70 µg/L.

Inorganic Constituents (Metals)

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

Cobalt was detected in MW-27 at a concentration of 3.9J µg/L, which is above its SW GWP Standard of 2 µg/L. Manganese was also detected in monitoring well MW-27 at a concentration of 264 µg/L, which is above its 2L Standard of 50 µg/L.

Iron was detected in monitoring wells MW-29 and MW-31 at concentrations of 15400 and 26800 µg/L, respectively, which is above its 2L Standard of 300 µg/L.

As previously discussed above, it appears that the majority of the metals detected within the monitoring wells are either naturally occurring or are a product of turbidity during sampling; however because this is the first sampling event in which manganese and iron have been included in the analysis, we do not have historical data on the 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 in monitoring well MW-27, MW-29 and MW-31.

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 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.

No volatile organic constituents were detected during the April 2007 sampling event; however four to twelve inorganic constituents were detected at the surface water sampling locations. Of the metals detected, four were detected above their respective 15A NCAC 2B Standard: Cobalt, Iron, Silver and Selenium.

Cobalt was detected in surface water sampling locations SW-1, SW-3, and SW-5 at concentrations ranging from 2J to 116 µg/L. Only location SW-5, which had a concentration of 116 µg/L, exceeded its NCAC 2B Standard of 65 µg/L.

Iron was detected in all five surface water sample locations at concentrations ranging from 244J to 168000 µg/L. Only locations SW-1 and SW-5 had concentrations which exceeded the NCAC 2B Standard of 1000 µg/L.

Silver was detected in surface water sampling location SW-3 at a concentration of 2.5J µg/L, which is above its NCAC 2B standard of 0.06 µg/L.

Selenium was detected in surface water sampling locations SW-1 through SW-4 at concentrations ranging from 2.1J to 5.3J µg/L. Only locations SW-1 which had a concentration of 5.3J µg/L exceeded the NCAC 2B Standard of 5 µg/L.

As previously discussed above, it appears that the majority of the metals detected within the surface water sampling locations are either naturally occurring or are a product of turbidity during sampling; however because this is the first sampling event that included the analysis of iron, we do not have historical data for this constituent to determine if it is naturally occurring, from turbidity during sampling, or from the landfill. Additional sampling events will be needed to make any conclusions regarding iron at surface water sampling locations SW-1 and SW-5.

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 leachate holding tanks on-site. 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 constituants being detected in the April 2007 sampling event that were not detected previously. The results of additional sampling events are necessary to evaluate the statistical significance of the these low level detections.

TABLES

Table 1
April 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	36.48	892.79
Leachate Lagoon	MW-8	840.03	28.88	811.15
Leachate Lagoon	MW-9	840.20	29.57	810.63
Leachate Lagoon	MW-10R	834.97	23.65	811.32
Area "E" and Phase 1	MW-12	827.57	4.94	822.63
Area "E" and Phase 1	MW-13	872.78	31.85	840.93
Area "E" and Phase 1	MW-14	871.44	30.29	841.15
Area "E" and Phase 1	MW-15	847.86	26.09	821.77
Area "E" and Phase 1	MW-16	876.39	13.35	863.04
Area "E" and Phase 1	MW-17	899.64	32.29	867.35
Area "E" and Phase 1	MW-18	861.41	26.44	834.97
Area "E" and Phase 1	MW-19	862.40	26.87	835.53
Area "E" and Phase 1	MW-20	860.00	15.04	844.96
Phase 2	MW-21	855.91	37.33	818.58
Phase 2	MW-24	841.13	23.62	817.51
Phase 2	MW-25	838.73	25.83	812.90
Phase 2	MW-25A	838.84	26.27	812.57
C&D Phase 1	MW-26	871.19	11.94	859.25
C&D Phase 1	MW-27	880.90	17.12	863.78
C&D Phase 1	MW-28	915.68	42.72	872.96
C&D Phase 2	MW-29	879.97	35.12	844.85
C&D Phase 2	MW-30	886.35	49.54	836.81
C&D Phase 2	MW-31	879.88	29.79	850.09
Phase 3	MW-32	827.25	14.80	812.45
Phase 3	MW-33	819.38	13.20	806.18
Phase 3	MW-33A	818.67	13.53	805.14
Phase 3	MW-34	832.77	21.35	811.42
Phase 3	MW-35	839.64	28.41	811.23
Phase 3	MW-35A	839.65	32.00	807.65

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

Table 2
April 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-10	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20
1,1-Dichloroethane	5	70	NE						14	2.1 J		7.3			5.2	2.1 J
cis-1,2,-Dichloroethene	5	70	NE						1.7 J			2.7 J			0.35 J	
Acetone	100	700	NE						5.2 J				12 J			
Bromodichloromethane	1	0.56	0.56	0.66 J												
Chloroethane	10	2800	2800									2.6 J				
Chloroform	5	70	NE	13												
Ethylbenzene	1	550	NE						1.1							
Xylenes (total)	5	530	NE						7.2			28				
Methylene chloride	1	4.6	NE						1.8 J	0.42 J		9.8			0.7 J	0.48 J
Tetrachloroethene	1	0.7	NE						6							
Toluene	1	1000	NE						1.5							
Trichlorofluoromethane	1	2100	NE												0.63 J	
Vinyl chloride	1	0.015	NE						0.94 J			2.7				
EPA Appendix I Metals Method 6010B/6020 (ug/L)																
Antimony	NE	6	1.4							0.9 J					0.69 J	
Arsenic	10	50	NE	4.7 J	3.6 J	4.6 J	3.2 J	3.6 J	6.7 J	3.4 J	5.9 J	2.2 J	3 J	3.9 J	2.2 J	4.3 J
Barium	100	2000	NE	24.7 J	31.6 J	32 J	44.4 J	181	81.6 J	23.5 J	55.1 J	265	54.6 J	64.1 J	25.8 J	43.4 J
Cadmium	1	1.75	NE					0.6 J		0.60 J						
Chromium	10	50	NE	2.2 J		3.1 J								2.3 J		
Cobalt	10	NE	2					8.2 J	188			21.9 J	8.3 J	2.1 J		
Copper	10	1000	NE	0.9 J	1 J	0.8 J	0.6 J	1.3 J		1.9 J	1.70 J		0.7 J	2.4 J	1.1 J	
Nickel	50	100	NE	2.1 J				4.1 J	14.6 J			8 J	9 J	2.8 J		
Silver	10	17.5	NE				2.1 J		2.6 J	3.2 J	3.3 J		2 J		2 J	
Selenium	10	50	NE													2.7 J
Thallium	5.5	NE	0.28	0.094 J	0.078 J		0.064 J	0.079 J	1.04 J	0.076 J	0.047 J	1.24 J		0.236 J		
Vanadium	25	NE	25	1 J	3.2 J	2.5 J	3.2 J			2.3 J	2.4 J			6.8 J	2.7 J	
Zinc	10	1050	NE				2.6 J	61.1	8.9 J	10		19.1		4.6 J		

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

EPA Appendix I Metals Method 6010B/6020 (ug/L)	NCDENR SWSL	15A NCAC 2L	Soild Waste GWP ST	MW-21	MW-24	MW-25	MW-25A
Antimony	NE	6	1.4				4.28 J
Arsenic	10	50	NE	2.3 J	4.1 J	2.3 J	3.8 J
Barium	100	2000	NE	51.7 J	83 J	112	34.2 J
Beryllium	1	NE	4		0.8 J		
Chromium	10	50	NE	3 J	5.3 J	6 J	5.6 J
Cobalt	10	NE	2		4.1 J		
Copper	10	1000	NE	1 J	3.90 J	1.5 J	2.3 J
Nickel	50	100	NE		2.6 J		
Silver	10	17.5	NE		2.4 J	2.8 J	2.5 J
Thallium	5.5	NE	0.28	0.05 J	0.216 J	0.066 J	
Vanadium	25	NE	25	5.9 J	10.4 J	3.4 J	5.3 J
Zinc	10	1050	NE	1.7 J	12.3	4.6 J	1.2 J

Table 4
April 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-32	MW-33	MW-33A	MW-34R	MW-35	MW-35A	MW-35A Retest on 7/25/07
1,2-Dibromo-3-chloropropane	13	0.025	NE						17	
1,2,3-Trichloropropane	1	0.005	0.018						2	
2-Butanone	100	4200	NE						4.1 J	
2-Hexanone	50	280	280						0.58 J	
trans-1,4,-Dichloro-2-butene	100	NE	NE						2.4 J	
Bromoform	3	4.43	NE						2.4 J	
Bromomethane	10	NE	NE						1.5 J	
Iodomethane	10	NE	NE						2.8 J	
Xylenes (total)	5	530	NE						1.9	
Tetrachloroethene	1	0.7	NE						1	
Vinyl acetate	50	NE	88						4.2 J	
EPA Appendix I Metals Method 6010B/6020 (ug/L)										
Antimony	NE	6	1.4			0.8 J				
Arsenic	10	50	NE	4.4 J	5 J	4.8 J				
Barium	100	2000	NE	46.7 J	55.9 J	9.6 J	118	48.6 J	38.6 J	
Cobalt	10	NE	2				3.5 J			
Copper	10	1000	NE		0.7 J	1.3 J				
Nickel	50	100	NE					2 J		
Silver	10	17.5	NE		2.6 J	2 J				
Thallium	5.5	NE	0.28				0.144 J	0.062 J		
Vanadium	25	NE	25	3.4 J	2 J	2.3 J		1.4 J	2.0 J	
Zinc	10	1050	NE	2.2 J			6.3 J	4.7 J	1.1 J	

Table 5
April 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**
cis-1,2,-Dichloroethene	5	70	NE		0.46 J	
Trichlorofluoromethane	1	2100	NE		2	
EPA Appendix I Metals Method 6010B/6020 (ug/L)						
Barium	100	2000	NE	44.1 J	250	29.2 J
Cobalt	10	NE	2		3.9 J	
Iron	300	300	NE	211 J	215 J	38 J
Lead	10	15	NE		5.3 J	
Manganese	50	50	NE	28.9 J	264	17 J
Mercury	0.2	1.05	NE	0.22		
Nickel	50	100	NE		6.4 J	
Selenium	10	50	NE		3.2 J	
Thallium	5.5	NE	0.28		0.053 J	0.047 J
Zinc	10	1050	NE		8.4 J	
Classical Chemistry Compounds (mg/L)						
Chloride	NE	250	NE	1	6	
Sulfate as SO4	250	250	NE	12 J,D	3.1 J	3 J
Total Alkalinity	NE	NE	NE	11	33	3

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**
Chloroform	5	70	NE		0.42 J	
EPA Appendix I Metals Method 6010B/6020 (ug/L)						
Barium	100	2000	NE	23.9 J	57.6 J	10.7 J
Beryllium	1	NE	4	0.9 J		
Copper	10	1000	NE	1.5 J	0.6 J	
Chromium	10	50	NE	2.4 J		
Iron	300	300	NE	**15400**	255 J	**26800**
Manganese	50	50	NE	26.6 J	21.4 J	29.6 J
Nickel	50	100	NE	3 J		2.9 J
Thallium	5.5	NE	0.28	0.117 J	0.052 J	
Vanadium	25	NE	25	4.1 J		
Zinc	10	1050	NE	6.8 J	2.4 J	1.1 J
Classical Chemistry Compounds (mg/L)						
Chloride	NE	250	NE	3	1	1
Sulfate as SO4	250	250	NE	2.9 J	3 J	3 J
Total Alkalinity	NE	NE	NE	10	9	

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

EPA Appendix I Metals Method 6010B/6020 (ug/L)	15A NCAC 2B	SW-1	SW-2	SW-3	SW-4	SW-5
Arsenic	50			2.2 J		
Barium	1400	47.8 J	20.2 J	33.9 J	20.6 J	421
Beryllium	6.5					1.9
Chromium	50			5.6 J		
Cobalt	65	2 J		2.6 J		116
Copper	7			2 J		
Iron	1000	1830 J	244 J	964	360	168000
Lead	25					11.3
Manganese	NE	460	31.8 J	36.3 J	37.8 J	3340
Nickel	88			2 J		
Silver	0.06			2.5 J		
Selenium	5	5.3 J	2.1 J	3 J	3.4 J	
Thallium	1.3	0.061 J				0.760 J
Vanadium	NE			5.3 J		
Zinc	50	6.5 J		1.3 J		25.3

Table 8
April 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
1,1-Dichloroethane	5	70	NE	7 D
1,1,1-Trichloroethane	1	200	NE	4.2 J,D
1,2-Dichloroethane	5	70	NE	12 D
2-Butanone	100	4200	NE	420 D
4-Methyl-2-pentanone	100	NE	560	25 J
cis-1,2,-Dichloroethene	5	70	NE	4 J
Acetone	100	700	NE	180 D
Ethylbenzene	1	550	NE	11 D
Xylenes (total)	5	530	NE	33 D
Methylene chloride	1	4.6	NE	5.4 J,D
Styrene	1	100	NE	2.6 J,D
Tetrachloroethene	1	0.7	NE	9 D
Toluene	1	1000	NE	110 D
Trichlorofluoromethane	1	2100	NE	1.9 J,D
EPA Appendix I Metals Method 6010B/6020 (ug/L)				
Antimony	NE	6	1.4	0.84 J
Arsenic	10	50	NE	34
Barium	100	2000	NE	770
Cobalt	10	NE	2	16.3
Lead	10	15	NE	3 J
Nickel	50	100	NE	26.1 J
Zinc	10	1050	NE	4.3 J
Classical Chemistry Compounds (mg/L)				
BOD	NE	NE	NE	110
COD	NE	NE	NE	600
Sulfate	250	250	NE	2.7 J,D
Sulfate as SO4	250	250	NE	3.1 J
Phosphorous	NE	NE	NE	2.5
Nitrate as N	10	10	NE	0.055 J
Nitrate/Nitrite as N	NE	NE	NE	0.055J
Total Alkalinity	NE	NE	NE	1600
Total Suspended Solids	NE	NE	NE	46

APPENDIX I

WELL SAMPLING LOGS AND LABORATORY REPORTS

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

S&ME

Well ID MW-1A

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Depth to Water (ft) 36.48
Depth to Base of Well (ft) 57.00
Water Column (ft) 20.52
Well Casing Volume 3.6
(well casing volume = water column*0.174)
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	10:28	6.36	16.20	150
	3.6	10:30	6.42	15.90	26
	7.2	10:32	5.85	15.70	11
Final	10.8	10:34	5.57	15.30	12

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 08:15
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	(1) 250 ml plastic bottle	HNO3

Comments

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

S&ME

Well ID MW-8

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Depth to Water (ft) 28.88
Depth to Base of Well (ft) 31.00
Water Column (ft) 2.12
Well Casing Volume 0.37
(well casing volume = water column*0.174)
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:52	5.83	15.1	10
	0.370	13:53	5.73	15.6	9
	0.74	13:54	5.52	15.3	8
Final	1.11	13:55	5.46	15.5	8

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 10:10
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

S&ME

Well ID MW-9

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 7.1
Depth to Water (ft) 29.57
Depth to Base of Well (ft) 70.50
(well casing volume = water column*0.174)
Water Column (ft) 40.93
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:50	6.61	14.2	67
	7.12	13:56	5.97	15.1	31
	14.24	14:00	6.50	13.9	31
Final	21.36	14:04	6.43	14.9	33

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 10:12
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

S&ME

Well ID MW-10R

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.3
Depth to Water (ft) 23.65
Depth to Base of Well (ft) 31.50
(well casing volume = water column*0.174)
Water Column (ft) 7.85
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:34	6.48	15.1	40
	1.3	13:36	6.04	15.1	29
	2.6	13:38	5.64	15.1	24
Final	4.0	13:40	4.81	14.8	25

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 10:05
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

S&ME

Well ID MW-12

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 2.3
Depth to Water (ft) 4.94
Depth to Base of Well (ft) 18.50
(well casing volume = water column*0.174)
Water Column (ft) 13.56
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	12:40	6.35	11.9	268
	2.3	12:42	5.85	11.8	116
	4.6	12:44	5.19	12.3	107
Final	6.9	12:46	5.21	12.4	114

Well Sampling Data

Sampling Date 4/10/2007
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

S&ME

Well ID MW-13

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.5
Depth to Water (ft) 31.85
Depth to Base of Well (ft) 40.50
(well casing volume = water column*0.174)
Water Column (ft) 8.65
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	11:20	6.04	16.8	82
	1.5	11:23	5.98	17.0	80
	2.9	11:28	6.03	16.9	108
Final	4.4	11:30	6.14	16.6	122

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 9:20
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

S&ME

Well ID MW-14

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 8.0
Depth to Water (ft) 30.29
Depth to Base of Well (ft) 76.00
(well casing volume = water column*0.174)
Water Column (ft) 45.71
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	11:29	6.63	16.7	67
	8.0	11:33	6.44	16.0	71
	15.9	11:36	6.43	16.3	70
Final	23.9	11:39	6.45	16.2	70

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 9:25
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

S&ME

Well ID MW-15

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 0.8
Depth to Water (ft) 26.09
Depth to Base of Well (ft) 30.50 (well casing volume = water column*0.174)
Water Column (ft) 4.41
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:40	7.16	16.5	52
	0.8	13:42	6.46	15.0	16
	1.5	13:43	5.68	15.5	14
Final	2.3	13:44	5.37	15.3	18

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 9:55
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

S&ME

Well ID MW-16R

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 1.40
Depth to Water (ft) 13.35
Depth to Base of Well (ft) 21.60 (well casing volume = water column*0.174)
Water Column (ft) 8.25
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	11:00	6.34	14.9	274
	1.4	11:03	6.08	14.5	302
	2.8	11:05	6.36	13.9	495
Final	4.2	11:07	6.41	13.7	512

Well Sampling Data

Sampling Date 4/11/2007
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

S&ME

Well ID MW-17

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 0.7
Depth to Water (ft) 32.29
Depth to Base of Well (ft) 36.50 (well casing volume = water column*0.174)
Water Column (ft) 4.20
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	10:45	5.38	15.0	101
	0.7	10:47	5.12	15.6	56
	1.4	10:50	5.68	15.0	20
Final	2.1				

Well Sampling Data

Sampling Date 4/10/2007
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 Purged Dry at 1.4 Gallons

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

S&ME

Well ID MW-18

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Depth to Water (ft) 26.44
Depth to Base of Well (ft) 32.00
Water Column (ft) 5.56
Well Casing Volume 1.0
(well casing volume = water column*0.174)
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:20	6.49	16.6	153
	1.0	13:22	5.82	15.1	152
	1.9	13:23	5.86	14.9	162
Final	2.9				

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 9:43
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 Purged Dry at 1.9 Gallons

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

S&ME

Well ID MW-19R

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 7.7
Depth to Water (ft) 26.87
Depth to Base of Well (ft) 72.00 (well casing volume = water column*0.174)
Water Column (ft) 45.13
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007 Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:19	6.21	20.9	162
	7.7	13:24	5.71	15.4	84
	15.4	13:28	5.70	15.4	84
Final	23.0	13:32	5.74	15.3	83

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 9:47
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

S&ME

Well ID MW-20

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 2.0
Depth to Water (ft) 15.04
Depth to Base of Well (ft) 27.00 (well casing volume = water column*0.174)
Water Column (ft) 11.96
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:00	6.31	19.8	100
	2.0	13:03	5.95	17.5	50
	4.1	13:05	5.23	15.9	56
Final	6.1	13:07	4.90	14.9	44

Well Sampling Data

Sampling Date 4/11/2007
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

S&ME

Well ID MW-21

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.2
Depth to Water (ft) 37.33
Depth to Base of Well (ft) 44.11
(well casing volume = water column*0.174)
Water Column (ft) 6.78
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:50	4.63	15.8	30
	1.2	13:53	4.89	15.7	37
	2.3	13:56	5.51	16.0	43
Final	3.5	13:59	5.91	15.5	48

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 10:00
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	(2) 250 ml plastic bottles	HNO3

Comments

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

S&ME

Well ID MW-24

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 0.9
Depth to Water (ft) 23.62
Depth to Base of Well (ft) 29.00 (well casing volume = water column*0.174)
Water Column (ft) 5.38
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	12:55	5.75	12.8	26
	0.9	12:57	5.58	13.9	25
	1.8	12:59	6.07	14.0	23
Final	2.7	13:01	6.19	14.0	23

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 9:45
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

S&ME

Well ID MW-25

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 0.7
Depth to Water (ft) 25.83
Depth to Base of Well (ft) 30.00 (well casing volume = water column*0.174)
Water Column (ft) 4.17
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:13	6.09	16.0	62
	0.7	13:15	5.90	16.2	60
	1.4	13:17	6.17	15.9	60
Final	2.1	13:20	6.01	16.1	59

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 9:55
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

S&ME

Well ID MW-25A

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 5.7
Depth to Water (ft) 26.27
Depth to Base of Well (ft) 60.00
(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 4/9/2007
Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	13:10	6.57	15.0	36
	5.7	13:13	6.71	14.7	26
	11.5	13:17	6.61	15.8	26
Final	17.2	13:19	6.69	14.7	31

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 10:00
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	(2) 250 ml plastic bottles	HNO3

Comments

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

S&ME

Well ID MW-26

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 1.9
Depth to Water (ft) 11.94
Depth to Base of Well (ft) 23.00 (well casing volume = water column*0.174)
Water Column (ft) 11.06
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	15:12	6.18	17.0	44
	1.9	15:13	5.81	15.0	39
	3.8	15:16	5.47	14.6	38
Final	8.6	15:18	5.13	14.6	33

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 11:10
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

S&ME

Well ID MW-27

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.7
Depth to Water (ft) 17.12
Depth to Base of Well (ft) 27.00
(well casing volume = water column*0.174)
Water Column (ft) 9.88
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:58	6.28	21.6	149
	1.7	15:01	5.27	16.9	107
	3.4	15:04	4.83	15.4	113
Final	5.0	15:07	4.72	15.9	108

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 11:15
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

S&ME

Well ID MW-28

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 2.1
Depth to Water (ft) 42.72
Depth to Base of Well (ft) 54.50 (well casing volume = water column*0.174)
Water Column (ft) 11.78
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0.00	15:20	5.74	15.2	104
	2.1	15:24	5.54	15.2	15
	4.1	15:28	5.57	14.6	11
Final	6.2	15:32	5.51	15.1	9

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 10:45
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

S&ME

Well ID MW-29

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.6
Depth to Water (ft) 35.12
Depth to Base of Well (ft) 45.00
(well casing volume = water column*0.174)
Water Column (ft) 9.88
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007
Purging Equipment Disposable Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0.0	10:57	6.03	15.2	128
	1.6	10:59	6.16	15.6	76
	3.2	11:02	6.29	15.5	80
Final	4.8	11:05	6.49	15.0	78

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 8:42
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

S&ME

Well ID MW-30

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 1.8
Depth to Water (ft) 49.54
Depth to Base of Well (ft) 60.00 (well casing volume = water column*0.174)
Water Column (ft) 10.40
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	11:11	6.14	13.8	60
	1.8	11:14	5.45	13.7	25
	3.6	11:17	5.44	13.8	23
Final	5.4	11:22	4.94	13.3	26

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 9:00
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	(1) 250 ml plastic bottles	HNO3

Comments

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

S&ME

Well ID MW-31

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 1.7
Depth to Water (ft) 29.79
Depth to Base of Well (ft) 40.00 (well casing volume = water column*0.174)
Water Column (ft) 10.20
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007 Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	11:28	5.60	13.4	75
	1.7	11:30	4.81	13.8	24
	3.4	11:32	4.68	14.0	21
Final	5.1	11:33	4.55	14.0	25

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 9:15
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	(1) 250 ml plastic bottles	HNO3

Comments

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

S&ME

Well ID MW-32R

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Depth to Water (ft) 14.80
Depth to Base of Well (ft) 28.05
Water Column (ft) 13.25
Well Casing Volume 2.3
(well casing volume = water column*0.174)
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:04	6.26	15.8	50
	2.3	14:06	6.32	15.0	42
	4.5	14:08	6.04	15.1	48
Final	6.8	14:11	5.99	15.4	53

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 10:10
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

S&ME

Well ID MW-33

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 2.0
Depth to Water (ft) 13.20
Depth to Base of Well (ft) 25.30
(well casing volume = water column*0.174)
Water Column (ft) 12.00
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:20	5.80	14.4	91
	2.0	14:23	5.64	13.3	89
	4.1	14:26	5.69	13.6	91
Final	6.1	14:29	6.48	14.3	89

Well Sampling Data

Sampling Date 4/11/2007
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	(1) 250 ml plastic bottles	HNO3

Comments

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

S&ME

Well ID MW-33A

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 8.7
Depth to Water (ft) 13.53
Depth to Base of Well (ft) 64.55 (well casing volume = water column*0.174)
Water Column (ft) 51.02
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/10/2007 Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:21	6.65	14.9	140
	8.7	14:25	6.26	14.5	150
	17.3	14:28	6.52	15.4	151
Final	26.0	14:31	6.96	15.0	148

Well Sampling Data

Sampling Date 4/11/2007
Sampling Time 10:20
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

S&ME

Well ID MW-34

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 2.4
Depth to Water (ft) 21.35
Depth to Base of Well (ft) 35.27 (well casing volume = water column*0.174)
Water Column (ft) 13.92
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007 Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:45	6.09	14.6	79
	2.4	14:50	5.70	14.5	49
	4.84				
Final	7.3				

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 10:35
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	(1) 250 ml plastic bottles	HNO3

Comments Purged Dry at 2.4 Gallons

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

S&ME

Well ID MW-35

Sampling Personnel (1) Tom Steelman (2) Greg Speidel
Weather Conditions Sunny/Cool
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.54
Depth to Water (ft) 28.41
Depth to Base of Well (ft) 37.25
(well casing volume = water column*0.174)
Water Column (ft) 8.84
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/9/2007
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:21	5.67	14.0	26
	1.5	14:25	5.20	14.1	13
	3.1	14:28	5.01	14.0	10
Final	5.6	14:31	4.99	13.8	8

Well Sampling Data

Sampling Date 4/10/2007
Sampling Time 10:20
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

S&ME

Well ID MW-35A

Sampling Personnel	(1)	Tom Steelman	(2)	Greg Speidel
Weather Conditions	Sunny/Cool			
Unusual Site Conditions				

Water Level Data

Measuring Point Location	TOC	Well Casing Volume	6.5
Depth to Water (ft)	32.00		
Depth to Base of Well (ft)	69.69	(well casing volume = water column*0.174)	
Water Column (ft)	37.69		
Equipment Used to Measure Depths	Electric Water Level Probe		

Well Purging Data

Date 4/9/2007 Purging Equipment Field Cleaned Typhoon Pump

	Total Voume (Gal)	Time	pH	Temp (C)	Conductance (µS)
Initial	0	14:19	7.55	13.8	54
	6.6	14:24	5.64	14.2	37
	13.1	14:29	5.74	13.9	36
Final	19.7	14:33	5.89	13.9	36

Well Sampling Data

Sampling Date	4/10/2007
Sampling Time	10:25
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

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-MW1A **Lab ID:** C703501-01

Sampled: 04/10/07 08:15 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 12:48
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 17:17
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 04:20

Client ID: 5503-MW8 **Lab ID:** C703501-02

Sampled: 04/10/07 10:10 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 13:30
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 17:09
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 04:46

Client ID: 5503-MW9 **Lab ID:** C703501-03

Sampled: 04/10/07 10:12 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 13:38
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 17:19
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 05:12

Client ID: 5503-MW10R **Lab ID:** C703501-04

Sampled: 04/10/07 10:05 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 13:45
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 17:22
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 05:38

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Client ID: 5503-MW12 **Lab ID:** C703501-05

Sampled: 04/10/07 09:30 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 13:52
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 17:24
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 06:04

Client ID: 5503-MW13 **Lab ID:** C703501-06

Sampled: 04/11/07 09:20 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 13:59
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 17:27
EPA 8260B	04/25/07	04/17/07 09:40	4/17/2007 22:11

Client ID: 5503-MW14 **Lab ID:** C703501-07

Sampled: 04/11/07 09:25 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 14:06
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 17:29
EPA 8260B	04/25/07	04/17/07 09:40	4/17/2007 22:37

Client ID: 5503-MW15 **Lab ID:** C703501-08

Sampled: 04/11/07 09:55 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 14:13
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 17:32
EPA 8260B	04/25/07	04/17/07 09:40	4/17/2007 23:03

Client ID: 5503-MW16R **Lab ID:** C703501-09

Sampled: 04/11/07 09:05 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 14:20
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 17:53
EPA 8260B	04/25/07	04/17/07 09:40	4/17/2007 23:29

Client ID: 5503-MW17 **Lab ID:** C703501-10

Sampled: 04/10/07 08:30 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 14:27
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 17:55
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 06:30

Client ID: 5503-MW18 **Lab ID:** C703501-11

Sampled: 04/11/07 09:43 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 14:34
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 17:58
EPA 8260B	04/25/07	04/17/07 09:40	4/17/2007 23:55

Client ID: 5503-MW19 **Lab ID:** C703501-12

Sampled: 04/11/07 09:47 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 14:57
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 18:00
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 06:50

Client ID: 5503-MW20 **Lab ID:** C703501-13

Sampled: 04/11/07 09:30 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 15:04
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 18:03
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 07:16

Client ID: 5503-MW21 **Lab ID:** C703501-14

Sampled: 04/11/07 10:00 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 15:11
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 18:05
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 07:42

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Client ID: 5503-MW24 **Lab ID:** C703501-15

Sampled: 04/10/07 09:45 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 15:18
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 18:08
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 06:56

Client ID: 5503-MW25 **Lab ID:** C703501-16

Sampled: 04/10/07 09:55 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 15:25
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 18:10
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 07:22

Client ID: 5503-MW25A **Lab ID:** C703501-17

Sampled: 04/10/07 10:00 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:04	4/17/2007 15:32
EPA 6020	10/07/07	04/13/07 11:32	4/16/2007 18:13
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 07:48

Client ID: 5503-MW32R **Lab ID:** C703501-18

Sampled: 04/11/07 10:10 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 15:39
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 18:20
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 08:08

Client ID: 5503-MW33 **Lab ID:** C703501-19

Sampled: 04/11/07 10:15 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 15:46
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 18:23
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 08:34

Client ID: 5503-MW33A **Lab ID:** C703501-20
Sampled: 04/11/07 10:20 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:04	4/17/2007 15:53
EPA 6020	10/08/07	04/13/07 11:32	4/16/2007 18:25
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 08:59

Client ID: 5503-MW34 **Lab ID:** C703501-21
Sampled: 04/10/07 10:35 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:10	4/18/2007 10:42
EPA 6020	10/07/07	04/13/07 11:35	4/17/2007 11:37
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 08:15

Client ID: 5503-MW35 **Lab ID:** C703501-22
Sampled: 04/10/07 10:20 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:10	4/18/2007 11:06
EPA 6020	10/07/07	04/13/07 11:35	4/17/2007 11:40
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 08:40

Client ID: 5503-MW35A **Lab ID:** C703501-23
Sampled: 04/10/07 10:25 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/13/07 09:10	4/18/2007 11:13
EPA 6020	10/07/07	04/13/07 11:35	4/17/2007 11:42
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 09:06

Client ID: 5503-Trip Blank **Lab ID:** C703501-24
Sampled: 04/11/07 00:00 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 06:24

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5503-MW1A — **Lab ID: C703501-01**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	4.7	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	24.7	J	1	0.20	10.0	100	ug/L	EPA 6010B
Bromodichloromethane	0.66	J	1	0.19	0.40	1	ug/L	EPA 8260B
Chloroform	13		1	0.16	1.0	5	ug/L	EPA 8260B
Chromium	2.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	0.90	J	1	0.60	10.0	10	ug/L	EPA 6010B
Nickel	2.1	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.094	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	1.0	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 5503-MW8 — **Lab ID: C703501-02**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	3.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	31.6	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	1.00	J	1	0.60	10.0	10	ug/L	EPA 6010B
Thallium	0.078	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	3.2	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 5503-MW9 — **Lab ID: C703501-03**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	4.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	32.0	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chromium	3.1	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	0.80	J	1	0.60	10.0	10	ug/L	EPA 6010B
Vanadium	2.5	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 5503-MW10R — **Lab ID: C703501-04**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	3.2	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
Copper	0.60	J	1	0.60	10.0	10	ug/L	EPA 6010B
Silver	2.1	J	1	2.0	10.0	10	ug/L	EPA 6010B
Thallium	0.064	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	3.2	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	2.6	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW12 — **Lab ID: C703501-05**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	3.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	181		1	0.20	10.0	100	ug/L	EPA 6010B
Cadmium	0.60	J	1	0.50	1.00	1	ug/L	EPA 6010B
Cobalt	8.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	1.30	J	1	0.60	10.0	10	ug/L	EPA 6010B
Nickel	4.1	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.079	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Zinc	61.1		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW13 — **Lab ID: C703501-06**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	14		1	0.090	1.0	5	ug/L	EPA 8260B
Acetone	5.2	J	1	0.90	5.0	100	ug/L	EPA 8260B
Arsenic	6.7	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	81.6	J	1	0.20	10.0	100	ug/L	EPA 6010B
cis-1,2-Dichloroethene	1.7	J	1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	188		1	2.0	10.0	10	ug/L	EPA 6010B
Ethylbenzene	1.1		1	0.17	1.0	1	ug/L	EPA 8260B
m,p-Xylenes	2.6		1	0.21	2.0	NE	ug/L	EPA 8260B
Methylene chloride	1.8	J	1	0.088	2.0	1	ug/L	EPA 8260B
Nickel	14.6	J	1	2.0	10.0	50	ug/L	EPA 6010B
o-Xylene	4.6		1	0.14	1.0	NE	ug/L	EPA 8260B
Silver	2.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Tetrachloroethene	6.0		1	0.25	1.0	1	ug/L	EPA 8260B
Thallium	1.04	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Toluene	1.5		1	0.15	1.0	1	ug/L	EPA 8260B
Vinyl chloride	0.94	J	1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	8.9	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW14 — **Lab ID: C703501-07**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	2.1	J	1	0.090	1.0	5	ug/L	EPA 8260B
Antimony	0.90	J	1	0.58	2.00	6	ug/L	EPA 6020
Arsenic	3.4	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	23.5	J	1	0.20	10.0	100	ug/L	EPA 6010B
Cadmium	0.60	J	1	0.50	1.00	1	ug/L	EPA 6010B
Copper	1.90	J	1	0.60	10.0	10	ug/L	EPA 6010B
Methylene chloride	0.42	J	1	0.088	2.0	1	ug/L	EPA 8260B
Silver	3.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Thallium	0.076	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	2.3	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	10.0		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW15 — **Lab ID: C703501-08**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	5.9	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	55.1	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	1.70	J	1	0.60	10.0	10	ug/L	EPA 6010B
Silver	3.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Thallium	0.047	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	2.4	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 5503-MW16R — **Lab ID: C703501-09**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	7.3		1	0.090	1.0	5	ug/L	EPA 8260B
Arsenic	2.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	265		1	0.20	10.0	100	ug/L	EPA 6010B
Chloroethane	2.6	J	1	0.40	1.0	10	ug/L	EPA 8260B
cis-1,2-Dichloroethene	2.7	J	1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	21.9		1	2.0	10.0	10	ug/L	EPA 6010B
m,p-Xylenes	12		1	0.21	2.0	NE	ug/L	EPA 8260B

Methylene chloride	9.8		1	0.088	2.0	1	ug/L	EPA 8260B
Nickel	8.0	J	1	2.0	10.0	50	ug/L	EPA 6010B
o-Xylene	16		1	0.14	1.0	NE	ug/L	EPA 8260B
Thallium	1.24	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vinyl chloride	2.7		1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	19.1		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW17 — **Lab ID: C703501-10**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Acetone	12	J	1	0.90	5.0	100	ug/L	EPA 8260B
Arsenic	3.0	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
Cobalt	8.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	0.70	J	1	0.60	10.0	10	ug/L	EPA 6010B
Nickel	9.0	J	1	2.0	10.0	50	ug/L	EPA 6010B
Silver	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW18 — **Lab ID: C703501-11**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	3.9	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	64.1	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chromium	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Cobalt	2.1	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	2.40	J	1	0.60	10.0	10	ug/L	EPA 6010B
Nickel	2.8	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.236	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	6.8	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	4.6	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW19 — **Lab ID: C703501-12**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	5.2		1	0.090	1.0	5	ug/L	EPA 8260B
Antimony	0.69	J	1	0.58	2.00	6	ug/L	EPA 6020
Arsenic	2.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	25.8	J	1	0.20	10.0	100	ug/L	EPA 6010B
cis-1,2-Dichloroethene	0.35	J	1	0.14	1.0	5	ug/L	EPA 8260B
Copper	1.10	J	1	0.60	10.0	10	ug/L	EPA 6010B
Methylene chloride	0.70	J	1	0.088	2.0	1	ug/L	EPA 8260B
Silver	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B
Trichlorofluoromethane	0.63	J	1	0.16	1.0	1	ug/L	EPA 8260B
Vanadium	2.7	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 5503-MW20 — **Lab ID: C703501-13**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	2.1	J	1	0.090	1.0	5	ug/L	EPA 8260B
Arsenic	4.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	43.4	J	1	0.20	10.0	100	ug/L	EPA 6010B
Methylene chloride	0.48	J	1	0.088	2.0	1	ug/L	EPA 8260B
Selenium	2.7	J	1	2.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW21 — **Lab ID: C703501-14**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	51.7	J	1	0.20	10.0	100	ug/L	EPA 6010B

Chromium	3.0	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
Thallium	0.050	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	5.9	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	1.7	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW24 **Lab ID: C703501-15**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	4.1	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	83.0	J	1	0.20	10.0	100	ug/L	EPA 6010B
Beryllium	0.80	J	1	0.70	1.00	1	ug/L	EPA 6010B
Chromium	5.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Cobalt	4.1	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	3.90	J	1	0.60	10.0	10	ug/L	EPA 6010B
Nickel	2.6	J	1	2.0	10.0	50	ug/L	EPA 6010B
Silver	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B
Thallium	0.216	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	10.4	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	12.3		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW25 **Lab ID: C703501-16**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	112		1	0.20	10.0	100	ug/L	EPA 6010B
Chromium	6.0	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	1.50	J	1	0.60	10.0	10	ug/L	EPA 6010B
Silver	2.8	J	1	2.0	10.0	10	ug/L	EPA 6010B
Thallium	0.066	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	3.4	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	4.6	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW25A **Lab ID: C703501-17**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Antimony	4.28	J	1	0.58	2.00	6	ug/L	EPA 6020
Arsenic	3.8	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	34.2	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chromium	5.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	2.30	J	1	0.60	10.0	10	ug/L	EPA 6010B
Silver	2.5	J	1	2.0	10.0	10	ug/L	EPA 6010B
Vanadium	5.3	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	1.2	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW32R **Lab ID: C703501-18**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	4.4	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	46.7	J	1	0.20	10.0	100	ug/L	EPA 6010B
Vanadium	3.4	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	2.2	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW33 **Lab ID: C703501-19**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	5.0	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	55.9	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	0.70	J	1	0.60	10.0	10	ug/L	EPA 6010B

Silver	2.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Vanadium	2.0	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 5503-MW33A — **Lab ID: C703501-20**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Antimony	0.80	J	1	0.58	2.00	6	ug/L	EPA 6020
Arsenic	4.8	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	9.60	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	1.30	J	1	0.60	10.0	10	ug/L	EPA 6010B
Silver	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B
Vanadium	2.3	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 5503-MW34 — **Lab ID: C703501-21**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	118		1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	3.5	J	1	2.0	10.0	10	ug/L	EPA 6010B
Thallium	0.144	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Zinc	6.3	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW35 — **Lab ID: C703501-22**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	48.6	J	1	0.20	10.0	100	ug/L	EPA 6010B
Nickel	2.0	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.062	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	1.4	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	4.7	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW35A — **Lab ID: C703501-23**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,2,3-Trichloropropane	2.0		1	0.32	1.0	1	ug/L	EPA 8260B
1,2-Dibromo-3-chloropropane	1.7		1	0.19	1.0	1	ug/L	EPA 8260B
2-Butanone	4.1	J	1	0.56	5.0	100	ug/L	EPA 8260B
2-Hexanone	0.58	J	1	0.24	5.0	50	ug/L	EPA 8260B
Barium	38.6	J	1	0.20	10.0	100	ug/L	EPA 6010B
Bromoform	2.4	J	1	0.36	1.0	3	ug/L	EPA 8260B
Bromomethane	1.5	J	1	0.21	1.0	10	ug/L	EPA 8260B
Iodomethane	2.8	J	1	0.23	2.0	10	ug/L	EPA 8260B
o-Xylene	1.9		1	0.14	1.0	NE	ug/L	EPA 8260B
Tetrachloroethene	1.0		1	0.25	1.0	1	ug/L	EPA 8260B
trans-1,4-Dichloro-2-butene	2.4	J	1	0.60	1.0	100	ug/L	EPA 8260B
Vanadium	2.0	J	1	1.0	10.0	25	ug/L	EPA 6010B
Vinyl acetate	4.2	J	1	0.19	2.0	50	ug/L	EPA 8260B
Zinc	1.1	J	1	1.0	10.0	10	ug/L	EPA 6010B

ANALYTICAL REPORT

Sample ID:	5503-MW1A	Project:	Lincoln County LF - App Is
Lab #:	C703501-01	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	**0.66** J	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	**13**	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW1A	Project:	Lincoln County LF - App Is
Lab #:	C703501-01	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	61	50.0	121 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	89 %	69-111
Toluene-d8	2037-26-5	52	50.0	104 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW1A
Lab #: C703501-01

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**4.7** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**24.7** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	**2.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**0.90** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	**2.1** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.094** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**1.0** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW8	Project:	Lincoln County LF - App Is
Lab #:	C703501-02	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW8	Project:	Lincoln County LF - App Is
Lab #:	C703501-02	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	123 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	54	50.0	107 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW8
Lab #: C703501-02

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**3.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**31.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**1.00** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.078** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**3.2** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW9	Project:	Lincoln County LF - App Is
Lab #:	C703501-03	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW9	Project:	Lincoln County LF - App Is
Lab #:	C703501-03	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	61	50.0	123 %	67-125
Dibromofluoromethane	1868-53-7	47	50.0	94 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW9
Lab #: C703501-03

Project: Lincoln County LF - App 1s
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**4.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**32.0** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	**3.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**0.80** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**2.5** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW10R	Project:	Lincoln County LF - App Is
Lab #:	C703501-04	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW10R	Project:	Lincoln County LF - App Is
Lab #:	C703501-04	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	126 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	92 %	69-111
Toluene-d8	2037-26-5	55	50.0	110 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW10R
Lab #: C703501-04

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**3.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**44.4** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**0.60** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.064** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**3.2** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**2.6** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

ANALYTICAL REPORT

Sample ID:	5503-MW12	Project:	Lincoln County LF - App Is
Lab #:	C703501-05	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW12	Project:	Lincoln County LF - App Is
Lab #:	C703501-05	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	126 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	92 %	69-111
Toluene-d8	2037-26-5	55	50.0	111 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW12
Lab #: C703501-05

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**3.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**181**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	**0.60** J	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	**8.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**1.30** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	**4.1** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.079** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**61.1**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW13	Project:	Lincoln County LF - App Is
Lab #:	C703501-06	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**14**	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	**5.2** J	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**1.7** J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	**1.1**	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	**2.6**	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**1.8** J	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW13	Project:	Lincoln County LF - App Is
Lab #:	C703501-06	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	**4.6**	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**6.0**	0.25	1.0	1	ug/L
Toluene	108-88-3	**1.5**	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**0.94** J	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	130 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	89 %	69-111
Toluene-d8	2037-26-5	55	50.0	110 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW13
Lab #: C703501-06

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**6.7** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**81.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	**188**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	**14.6** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**1.04** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**8.9** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

ANALYTICAL REPORT

Sample ID:	5503-MW14	Project:	Lincoln County LF - App Is
Lab #:	C703501-07	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**2.1** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**0.42** J	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW14	Project:	Lincoln County LF - App Is
Lab #:	C703501-07	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	67 S-GC	50.0	134 %	67-125
Dibromofluoromethane	1868-53-7	47	50.0	94 %	69-111
Toluene-d8	2037-26-5	56	50.0	111 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW14
Lab #: C703501-07

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	**0.90** J	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**3.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**23.5** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	**0.60** J	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**1.90** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**3.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.076** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**2.3** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**10.0**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW15	Project:	Lincoln County LF - App Is
Lab #:	C703501-08	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW15	Project:	Lincoln County LF - App Is
Lab #:	C703501-08	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	71 S-GC	50.0	142 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	91 %	69-111
Toluene-d8	2037-26-5	55	50.0	111 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW15
Lab #: C703501-08

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**5.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**55.1** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**1.70** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**3.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.047** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**2.4** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW16R	Project:	Lincoln County LF - App Is
Lab #:	C703501-09	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**7.3**	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	**2.6** J	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**2.7** J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	**12**	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**9.8**	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW16R	Project:	Lincoln County LF - App ls
Lab #:	C703501-09	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	**16**	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**2.7**	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	130 %	67-125
Dibromofluoromethane	1868-53-7	43	50.0	86 %	69-111
Toluene-d8	2037-26-5	53	50.0	107 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW16R
Lab #: C703501-09

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**2.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**265**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	**21.9**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	**8.0** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**1.24** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**19.1**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW17	Project:	Lincoln County LF - App Is
Lab #:	C703501-10	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	**12** J	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW17	Project:	Lincoln County LF - App Is
Lab #:	C703501-10	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63	50.0	125 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	54	50.0	107 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW17
Lab #: C703501-10

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**3.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**54.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	**8.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**0.70** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	**9.0** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

ANALYTICAL REPORT

Sample ID:	5503-MW18	Project:	Lincoln County LF - App Is
Lab #:	C703501-11	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW18	Project:	Lincoln County LF - App Is
Lab #:	C703501-11	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	128 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW18
Lab #: C703501-11

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**3.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**64.1** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	**2.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	**2.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**2.40** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	**2.8** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.236** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**6.8** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**4.6** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW19	Project:	Lincoln County LF - App Is
Lab #:	C703501-12	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**5.2**	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.35** J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**0.70** J	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW19	Project:	Lincoln County LF - App Is
Lab #:	C703501-12	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	**0.63** J	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	128 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	92 %	69-111
Toluene-d8	2037-26-5	54	50.0	107 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW19
Lab #: C703501-12

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	**0.69** J	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**2.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**25.8** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**1.10** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**2.7** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW20	Project:	Lincoln County LF - App Is
Lab #:	C703501-13	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**2.1** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**0.48** J	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW20	Project:	Lincoln County LF - App Is
Lab #:	C703501-13	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	67 S-GC	50.0	135 %	67-125
Dibromofluoromethane	1868-53-7	48	50.0	96 %	69-111
Toluene-d8	2037-26-5	57	50.0	115 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW20
Lab #: C703501-13

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**4.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**43.4** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	**2.7** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW21	Project:	Lincoln County LF - App Is
Lab #:	C703501-14	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW21	Project:	Lincoln County LF - App Is
Lab #:	C703501-14	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW21
Lab #: C703501-14

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**2.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**51.7** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	**3.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**1.00** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.050** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**5.9** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**1.7** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

ANALYTICAL REPORT

Sample ID:	5503-MW24	Project:	Lincoln County LF - App Is
Lab #:	C703501-15	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW24	Project:	Lincoln County LF - App Is
Lab #:	C703501-15	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	123 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	91 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW24
Lab #: C703501-15

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**4.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**83.0** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	**0.80** J	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	**5.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	**4.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**3.90** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	**2.6** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.216** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**10.4** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**12.3**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW25	Project:	Lincoln County LF - App Is
Lab #:	C703501-16	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW25	Project:	Lincoln County LF - App Is
Lab #:	C703501-16	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	124 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	87 %	69-111
Toluene-d8	2037-26-5	54	50.0	108 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW25
Lab #: C703501-16

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**2.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**112**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	**6.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**1.50** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.8** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	**0.066** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**3.4** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**4.6** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW25A	Project:	Lincoln County LF - App Is
Lab #:	C703501-17	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW25A	Project:	Lincoln County LF - App Is
Lab #:	C703501-17	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	129 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	89 %	69-111
Toluene-d8	2037-26-5	53	50.0	105 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW25A
Lab #: C703501-17

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	**4.28** J	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**3.8** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**34.2** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	**5.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**2.30** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.5** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**5.3** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**1.2** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW32R	Project:	Lincoln County LF - App Is
Lab #:	C703501-18	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW32R	Project:	Lincoln County LF - App Is
Lab #:	C703501-18	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	130 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	91 %	69-111
Toluene-d8	2037-26-5	55	50.0	109 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW32R
Lab #: C703501-18

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**4.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**46.7** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**3.4** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	**2.2** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW33	Project:	Lincoln County LF - App Is
Lab #:	C703501-19	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW33	Project:	Lincoln County LF - App Is
Lab #:	C703501-19	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	125 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	54	50.0	108 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW33
Lab #: C703501-19

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**5.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**55.9** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**0.70** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**2.0** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

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ANALYTICAL REPORT

Sample ID:	5503-MW33A	Project:	Lincoln County LF - App Is
Lab #:	C703501-20	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW33A	Project:	Lincoln County LF - App Is
Lab #:	C703501-20	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	124 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	91 %	69-111
Toluene-d8	2037-26-5	55	50.0	109 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW33A
Lab #: C703501-20

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	**0.80** J	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13017
Arsenic	7440-38-2	**4.8** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Barium	7440-39-3	**9.60** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13003
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13003
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Copper	7440-50-8	**1.30** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13003
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Silver	7440-22-4	**2.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13017
Vanadium	7440-62-2	**2.3** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13003
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13003

ANALYTICAL REPORT

Sample ID:	5503-MW34	Project:	Lincoln County LF - App Is
Lab #:	C703501-21	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW34	Project:	Lincoln County LF - App Is
Lab #:	C703501-21	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	67 S-GC	50.0	135 %	67-125
Dibromofluoromethane	1868-53-7	48	50.0	96 %	69-111
Toluene-d8	2037-26-5	54	50.0	108 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW34
Lab #: C703501-21

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**118**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	**3.5** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	**0.144** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**6.3** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID:	5503-MW35	Project:	Lincoln County LF - App Is
Lab #:	C703501-22	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-MW35	Project:	Lincoln County LF - App Is
Lab #:	C703501-22	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	128 %	67-125
Dibromofluoromethane	1868-53-7	47	50.0	93 %	69-111
Toluene-d8	2037-26-5	54	50.0	108 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW35
Lab #: C703501-22

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**48.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Nickel	7440-02-0	**2.0** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	**0.062** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	**1.4** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**4.7** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

ANALYTICAL REPORT

Sample ID:	5503-MW35A	Project:	Lincoln County LF - App Is
Lab #:	C703501-23	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	**2.0**	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	**1.7**	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	**4.1** J	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	**0.58** J	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	**2.4** J	0.36	1.0	3	ug/L
Bromomethane	74-83-9	**1.5** J	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	**2.8** J	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW35A	Project:	Lincoln County LF - App Is
Lab #:	C703501-23	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	**1.9**	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**1.0**	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	**2.4** J	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	**4.2** J	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	130 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	92 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW35A
Lab #: C703501-23

Project: Lincoln County LF - App Is
Work Order #: C703501
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**38.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	**2.0** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**1.1** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID:	5503-Trip Blank	Project:	Lincoln County LF - App Is
Lab #:	C703501-24	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-Trip Blank	Project:	Lincoln County LF - App Is
Lab #:	C703501-24	Work Order #:	C703501
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	93 %	69-111
Toluene-d8	2037-26-5	53	50.0	107 %	85-120

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D16023 - EPA 5030B_MS										
Blank (7D16023-BLK1)				Prepared: 04/16/2007 16:16 Analyzed: 04/17/2007 02:10						
Acetone	0.90 U	5.0	ug/L							
LCS (7D16023-BS1)				Prepared: 04/16/2007 16:16 Analyzed: 04/17/2007 02:36						
Benzene	21	1.0	ug/L	20.0		105	76-116			
Trichloroethene	22	1.0	ug/L	20.0		112	81-118			
Chlorobenzene	22	1.0	ug/L	20.0		109	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0		96	57-141			
Toluene	20	1.0	ug/L	20.0		100	77-120			
Matrix Spike (7D16023-MS1)		**Source: C705004-09**		Prepared: 04/16/2007 16:16 Analyzed: 04/17/2007 03:02						
Benzene	20	1.0	ug/L	20.0	0.12 U	100	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118			
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	106	75-115			
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	91	57-141			
Toluene	19	1.0	ug/L	20.0	0.15 U	97	77-120			
Matrix Spike Dup (7D16023-MSD1)		**Source: C705004-09**		Prepared: 04/16/2007 16:16 Analyzed: 04/17/2007 03:28						
Benzene	21	1.0	ug/L	20.0	0.12 U	103	76-116	3	14	
Trichloroethene	22	1.0	ug/L	20.0	0.23 U	112	81-118	6	11	
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	106	75-115	0.6	12	
1,1-Dichloroethene	20	1.0	ug/L	20.0	0.14 U	98	57-141	7	12	
Toluene	20	1.0	ug/L	20.0	0.15 U	99	77-120	2	17	
Batch 7D17009 - EPA 5030B_MS										
Blank (7D17009-BLK1)				Prepared: 04/17/2007 09:40 Analyzed: 04/17/2007 14:50						
Acetone	0.90 U	5.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
Benzene	0.12 U	1.0	ug/L							
2-Butanone	0.56 U	5.0	ug/L							
2-Hexanone	0.24 U	5.0	ug/L							
Iodomethane	0.23 U	2.0	ug/L							
Tetrachloroethene	0.25 U	1.0	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Bromochloromethane	0.19 U	1.0	ug/L							
Trichloroethene	0.23 U	1.0	ug/L							
Bromodichloromethane	0.19 U	0.40	ug/L							
Bromoform	0.36 U	1.0	ug/L							
Bromomethane	0.21 U	1.0	ug/L							
Carbon disulfide	0.12 U	5.0	ug/L							
Carbon tetrachloride	0.38 U	1.0	ug/L							
Chlorobenzene	0.16 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							
Chloroform	0.16 U	1.0	ug/L							
Chloromethane	0.18 U	1.0	ug/L							
Dibromochloromethane	0.18 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L							
1,2-Dibromoethane	0.19 U	1.0	ug/L							
Dibromomethane	0.14 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D17009 - EPA 5030B_MS										
Blank (7D17009-BLK1) Continued				Prepared: 04/17/2007 09:40 Analyzed: 04/17/2007 14:50						
1,2-Dichlorobenzene	0.17 U	1.0	ug/L							
1,4-Dichlorobenzene	0.15 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
1,2-Dichloroethane	0.36 U	1.0	ug/L							
1,1-Dichloroethene	0.14 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,2-Dichloropropane	0.18 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
Ethylbenzene	0.17 U	1.0	ug/L							
Methylene chloride	0.088 U	2.0	ug/L							
Styrene	0.12 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
1,1,1-Trichloroethane	0.24 U	1.0	ug/L							
1,1,2-Trichloroethane	0.24 U	1.0	ug/L							
Trichlorofluoromethane	0.16 U	1.0	ug/L							
1,2,3-Trichloropropane	0.32 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D17009-BS1)				Prepared: 04/17/2007 09:40 Analyzed: 04/17/2007 15:16						
Benzene	20	1.0	ug/L	20.0		100	76-116			
Trichloroethene	23	1.0	ug/L	20.0		113	81-118			
Chlorobenzene	21	1.0	ug/L	20.0		106	75-115			
1,1-Dichloroethene	18	1.0	ug/L	20.0		89	57-141			
Toluene	20	1.0	ug/L	20.0		98	77-120			
Matrix Spike (7D17009-MS1)		**Source: C705004-10**		Prepared: 04/17/2007 09:40 Analyzed: 04/17/2007 15:42						
Benzene	8.3	1.0	ug/L	10.0	0.12 U	83	76-116			
Trichloroethene	8.0 QM-07	1.0	ug/L	10.0	0.23 U	80	81-118			QM-07
Chlorobenzene	8.8	1.0	ug/L	10.0	0.16 U	88	75-115			
1,1-Dichloroethene	7.4	1.0	ug/L	10.0	0.14 U	74	57-141			
Toluene	8.0	1.0	ug/L	10.0	0.15 U	80	77-120			
Matrix Spike Dup (7D17009-MSD1)		**Source: C705004-10**		Prepared: 04/17/2007 09:40 Analyzed: 04/17/2007 16:08						
Benzene	8.2	1.0	ug/L	10.0	0.12 U	82	76-116	1	14	
Trichloroethene	9.3	1.0	ug/L	10.0	0.23 U	93	81-118	15	11	
Chlorobenzene	8.8	1.0	ug/L	10.0	0.16 U	88	75-115	1	12	
1,1-Dichloroethene	7.9	1.0	ug/L	10.0	0.14 U	79	57-141	7	12	
Toluene	7.9	1.0	ug/L	10.0	0.15 U	79	77-120	1	17	
Batch 7D17024 - EPA 5030B_MS										

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7D17024 - EPA 5030B_MS

Blank (7D17024-BLK1) Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 03:48

Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D17024 - EPA 5030B_MS										
Blank (7D17024-BLK1) Continued				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 03:48						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D17024-BS1)				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 04:14						
Benzene	20	1.0	ug/L	20.0		100	76-116			
Trichloroethene	21	1.0	ug/L	20.0		106	81-118			
Chlorobenzene	21	1.0	ug/L	20.0		103	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0		94	57-141			
Toluene	19	1.0	ug/L	20.0		96	77-120			
Matrix Spike (7D17024-MS1)		**Source: C705004-11**		Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 04:40						
Benzene	20	1.0	ug/L	20.0	0.12 U	98	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118			
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	101	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0	0.14 U	93	57-141			
Toluene	19	1.0	ug/L	20.0	0.15 U	95	77-120			
Matrix Spike Dup (7D17024-MSD1)		**Source: C705004-11**		Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 05:06						
Benzene	20	1.0	ug/L	20.0	0.12 U	102	76-116	4	14	
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	106	81-118	0.8	11	
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	104	75-115	2	12	
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	91	57-141	2	12	
Toluene	19	1.0	ug/L	20.0	0.15 U	93	77-120	2	17	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13003 - EPA 3005A										
Blank (7D13003-BLK1)				Prepared: 04/13/2007 09:04 Analyzed: 04/17/2007 12:32						
Arsenic	3.3 J	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							
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 J	10.0	ug/L							
Vanadium	1.10 J	10.0	ug/L							
Zinc	1.0 U	10.0	ug/L							
LCS (7D13003-BS1)				Prepared: 04/13/2007 09:04 Analyzed: 04/17/2007 12:39						
Arsenic	1040	10.0	ug/L	1000		104	82-117			
Barium	1090	10.0	ug/L	1000		109	72-125			
Beryllium	534	1.00	ug/L	500		107	75-121			
Cadmium	528	1.00	ug/L	500		106	72-120			
Chromium	1040	10.0	ug/L	1000		104	78-119			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13003 - EPA 3005A										
LCS (7D13003-BS1) Continued				Prepared: 04/13/2007 09:04 Analyzed: 04/17/2007 12:39						
Cobalt	1030	10.0	ug/L	1000		103	76-117			
Copper	515	10.0	ug/L	500		103	80-117			
Lead	1030	10.0	ug/L	1000		103	72-121			
Nickel	1060	10.0	ug/L	1000		106	78-116			
Selenium	1060	10.0	ug/L	1000		106	82-127			
Silver	107	10.0	ug/L	100		107	80-128			
Vanadium	509	10.0	ug/L	500		102	78-117			
Zinc	1040	10.0	ug/L	1000		104	80-120			
Matrix Spike (7D13003-MS1)		**Source: C703501-01**		Prepared: 04/13/2007 09:04 Analyzed: 04/17/2007 12:55						
Arsenic	1080	10.0	ug/L	1000	4.7	107	64-126			
Barium	1150	10.0	ug/L	1000	24.7	112	74-119			
Beryllium	551	1.00	ug/L	500	0.70 U	110	70-131			
Cadmium	544	1.00	ug/L	500	0.50 U	109	68-121			
Chromium	1070	10.0	ug/L	1000	2.2	106	73-120			
Cobalt	1060	10.0	ug/L	1000	2.0 U	106	76-120			
Copper	532	10.0	ug/L	500	0.90	106	75-123			
Lead	1060	10.0	ug/L	1000	2.0 U	106	68-126			
Nickel	1090	10.0	ug/L	1000	2.1	109	64-126			
Selenium	1080	10.0	ug/L	1000	2.0 U	108	65-129			
Silver	108	10.0	ug/L	100	2.0 U	108	69-121			
Vanadium	525	10.0	ug/L	500	1.00	105	71-130			
Zinc	1080	10.0	ug/L	1000	1.0 U	108	63-131			
Matrix Spike Dup (7D13003-MSD1)		**Source: C703501-01**		Prepared: 04/13/2007 09:04 Analyzed: 04/17/2007 13:02						
Arsenic	1080	10.0	ug/L	1000	4.7	107	64-126	0.09	12	
Barium	1140	10.0	ug/L	1000	24.7	112	74-119	0.2	11	
Beryllium	552	1.00	ug/L	500	0.70 U	110	70-131	0.2	21	
Cadmium	545	1.00	ug/L	500	0.50 U	109	68-121	0.3	12	
Chromium	1070	10.0	ug/L	1000	2.2	107	73-120	0.09	10	
Cobalt	1060	10.0	ug/L	1000	2.0 U	106	76-120	0.3	17	
Copper	531	10.0	ug/L	500	0.90	106	75-123	0.2	16	
Lead	1060	10.0	ug/L	1000	2.0 U	106	68-126	0.2	19	
Nickel	1100	10.0	ug/L	1000	2.1	109	64-126	0.5	12	
Selenium	1080	10.0	ug/L	1000	2.0 U	108	65-129	0.09	10	
Silver	109	10.0	ug/L	100	2.0 U	109	69-121	1	12	
Vanadium	525	10.0	ug/L	500	1.00	105	71-130	0.04	16	
Zinc	1080	10.0	ug/L	1000	1.0 U	108	63-131	0.8	24	
Batch 7D13004 - EPA 3005A										
Blank (7D13004-BLK1)				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:02						
Arsenic	2.4 J	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							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13004 - EPA 3005A										
Blank (7D13004-BLK1) Continued				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:02						
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 (7D13004-BS1)				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:08						
Arsenic	1030	10.0	ug/L	1000		103	82-117			
Barium	1070	10.0	ug/L	1000		107	72-125			
Beryllium	529	1.00	ug/L	500		106	75-121			
Cadmium	521	1.00	ug/L	500		104	72-120			
Chromium	1030	10.0	ug/L	1000		103	78-119			
Cobalt	1020	10.0	ug/L	1000		102	76-117			
Copper	508	10.0	ug/L	500		102	80-117			
Lead	1030	10.0	ug/L	1000		103	72-121			
Nickel	1040	10.0	ug/L	1000		104	78-116			
Selenium	1050	10.0	ug/L	1000		105	82-127			
Silver	102	10.0	ug/L	100		102	80-128			
Vanadium	505	10.0	ug/L	500		101	78-117			
Zinc	1040	10.0	ug/L	1000		104	80-120			
Matrix Spike (7D13004-MS1)		**Source: C703502-01**		Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:24						
Arsenic	1100	10.0	ug/L	1000	2.0 U	110	64-126			
Barium	1190	10.0	ug/L	1000	44.1	115	74-119			
Beryllium	567	1.00	ug/L	500	0.70 U	113	70-131			
Cadmium	558	1.00	ug/L	500	0.50 U	112	68-121			
Chromium	1100	10.0	ug/L	1000	2.0 U	110	73-120			
Cobalt	1100	10.0	ug/L	1000	2.0 U	110	76-120			
Copper	540	10.0	ug/L	500	0.60 U	108	75-123			
Lead	1110	10.0	ug/L	1000	2.0 U	111	68-126			
Nickel	1120	10.0	ug/L	1000	2.0 U	112	64-126			
Selenium	1120	10.0	ug/L	1000	2.0 U	112	65-129			
Silver	108	10.0	ug/L	100	2.0 U	108	69-121			
Vanadium	539	10.0	ug/L	500	1.0 U	108	71-130			
Zinc	1120	10.0	ug/L	1000	1.0 U	112	63-131			
Batch 7D13017 - EPA 3005A										
Blank (7D13017-BLK1)				Prepared: 04/13/2007 11:32 Analyzed: 04/16/2007 16:59						
Antimony	0.58 U	2.00	ug/L							
Thallium	0.044 U	0.050	ug/L							
LCS (7D13017-BS1)				Prepared: 04/13/2007 11:32 Analyzed: 04/16/2007 17:40						
Antimony	57.9	2.00	ug/L	50.0		116	80-120			
Thallium	52.9	0.050	ug/L	50.0		106	80-120			
Matrix Spike (7D13017-MS1)		**Source: C703501-02**		Prepared: 04/13/2007 11:32 Analyzed: 04/16/2007 17:12						
Antimony	54.0	2.00	ug/L	50.0	0.58 U	108	70-130			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13017 - EPA 3005A										
Matrix Spike (7D13017-MS1) Continued		**Source: C703501-02**		Prepared: 04/13/2007 11:32 Analyzed: 04/16/2007 17:12						
Thallium	53.5	0.050	ug/L	50.0	0.0780	107	70-130			
Matrix Spike Dup (7D13017-MSD1)		**Source: C703501-02**		Prepared: 04/13/2007 11:32 Analyzed: 04/16/2007 17:14						
Antimony	49.3	2.00	ug/L	50.0	0.58 U	99	70-130	9	20	
Thallium	49.5	0.050	ug/L	50.0	0.0780	99	70-130	8	20	
Batch 7D13018 - EPA 3005A										
Blank (7D13018-BLK1)				Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:28						
Antimony	0.58 U	2.00	ug/L							
Thallium	0.044 U	0.050	ug/L							
LCS (7D13018-BS1)				Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:30						
Antimony	55.0	2.00	ug/L	50.0		110	80-120			
Thallium	51.8	0.050	ug/L	50.0		104	80-120			
Matrix Spike (7D13018-MS1)		**Source: C703504-01**		Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:35						
Antimony	53.9	2.00	ug/L	50.0	0.58 U	108	70-130			
Thallium	50.7	0.050	ug/L	50.0	0.0610	101	70-130			
Matrix Spike Dup (7D13018-MSD1)		**Source: C703504-01**		Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:37						
Antimony	60.1	2.00	ug/L	50.0	0.58 U	120	70-130	11	20	
Thallium	54.9	0.050	ug/L	50.0	0.0610	110	70-130	8	20	

NOTES AND DEFINITIONS

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591

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

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: P.O. Box 7668	Project Name/Desc: Lincoln County LF - App Is
City/ST/Zip: Charlotte, NC 28241-7668	PO # / Billing Info: 43420
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C703501

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn									Sample Comments
	5503-MW1A	04/10/07	G	0815	Water	4	X	X									
	5503-MW8	04/10/07	G	1010	Water	4	X	X									
	5503-MW9	04/10/07	G	1012	Water	4	X	X									
	5503-MW10R	04/10/07	G	1005	Water	4	X	X									
	5503-MW12	04/10/07	G	0930	Water	4	X	X									
	5503-MW13	04/11/07	G	0920	Water	4	X	X									
	5503-MW14	04/11/07	G	0925	Water	4	X	X									
	5503-MW15	04/11/07	G	0955	Water	4	X	X									
	5503-MW16R	04/10/07	G	0905	Water	4	X	X									
	5503-MW17	04/10/07	G	0830	Water	4	X	X									
	5503-MW18	04/11/07	G	0943	Water	4	X	X									
	5503-MW19	04/11/07	G	0947	Water	4	X	X									
						48	<-- Total # of Containers										

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	3/21/07 0800		1600 04/11/07	BJD	4/12/07 10:40
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
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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

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: P.O. Box 7668	Project Name/Desc: Lincoln County LF - App Is
City/ST/Zip: Charlotte, NC 28241-7668	PO # / Billing Info: 73420
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required)

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: C703501

Requested Analyses

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Sample Comments
	5503-MW20	04/11/07	0930	G	Water	4	X	X	
	5503-MW21	04/11/07	1000	G	Water	4	X	X	
	5503-MW24	04/10/07	0945	G	Water	4	X	X	
	5503-MW25	04/10/07	0955	G	Water	4	X	X	
	5503-MW25A	04/10/07	1000	G	Water	4	X	X	
	5503-MW32R	04/11/07	1010	G	Water	4	X	X	
	5503-MW33	04/11/07	1015	G	Water	4	X	X	
	5503-MW33A	04/11/07	1020	G	Water	4	X	X	
	5503-MW34	04/10/07	1035	G	Water	4	X	X	
	5503-MW35	04/10/07	1020	G	Water	4	X	X	
	5503-MW35A	04/10/07	1025	G	Water	4	X	X	
	5503-Trip Blank				Water	3	X		
						47	<-- Total # of Containers		

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	3/21/07 0800		04/11/07 1600	BJD	4/12/07 10:40
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-MW26 **Lab ID:** C703502-01

Sampled: 04/11/07 11:10 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	04/18/07	04/16/07 08:19	4/17/2007 13:20
EPA 325.3	05/09/07	04/17/07 12:00	4/17/2007 12:00
EPA 375.4	05/09/07	04/18/07 10:18	4/18/2007 21:14
EPA 6010B	10/08/07	04/13/07 09:10	4/18/2007 10:17
EPA 6020	10/08/07	04/13/07 11:35	4/17/2007 11:45
EPA 7470A	05/09/07	04/16/07 08:38	4/16/2007 14:47
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 09:25
SM 2320B	04/25/07	04/23/07 14:00	4/23/2007 14:00

Client ID: 5503-MW27 **Lab ID:** C703502-02

Sampled: 04/11/07 11:15 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	04/18/07	04/16/07 08:19	4/17/2007 13:20
EPA 325.3	05/09/07	04/17/07 12:00	4/17/2007 12:00
EPA 375.4	05/09/07	04/18/07 10:18	4/18/2007 19:57
EPA 6010B	10/08/07	04/13/07 09:10	4/18/2007 11:20
EPA 6020	10/08/07	04/13/07 11:35	4/17/2007 11:47
EPA 7470A	05/09/07	04/16/07 08:38	4/16/2007 14:26
EPA 8260B	04/25/07	04/16/07 16:16	4/17/2007 09:32
SM 2320B	04/25/07	04/23/07 14:00	4/23/2007 14:00

Client ID: 5503-MW28 **Lab ID:** C703502-03

Sampled: 04/10/07 10:45 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	04/17/07	04/16/07 08:19	4/17/2007 13:20
EPA 325.3	05/08/07	04/17/07 12:00	4/17/2007 12:00
EPA 375.4	05/08/07	04/18/07 10:18	4/18/2007 20:01
EPA 6010B	10/07/07	04/13/07 09:10	4/18/2007 11:45
EPA 6020	10/07/07	04/13/07 11:35	4/17/2007 11:50
EPA 7470A	05/08/07	04/16/07 08:38	4/16/2007 14:54
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 09:58
SM 2320B	04/24/07	04/23/07 14:00	4/23/2007 14:00

Client ID: 5503-MW29 **Lab ID:** C703502-04

Sampled: 04/10/07 08:42 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	04/17/07	04/16/07 08:19	4/17/2007 13:20
EPA 325.3	05/08/07	04/17/07 12:00	4/17/2007 12:00
EPA 375.4	05/08/07	04/18/07 10:18	4/18/2007 20:06
EPA 6010B	10/07/07	04/13/07 09:10	4/18/2007 11:52
EPA 6020	10/07/07	04/13/07 11:35	4/17/2007 11:52
EPA 7470A	05/08/07	04/16/07 08:38	4/16/2007 14:56
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 10:24
SM 2320B	04/24/07	04/23/07 14:00	4/23/2007 14:00

Client ID: 5503-MW30 **Lab ID:** C703502-05

Sampled: 04/10/07 09:00 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	04/17/07	04/16/07 08:19	4/17/2007 13:20
EPA 325.3	05/08/07	04/17/07 12:00	4/17/2007 12:00
EPA 375.4	05/08/07	04/18/07 10:18	4/18/2007 20:15
EPA 6010B	10/07/07	04/13/07 09:10	4/18/2007 11:59
EPA 6020	10/07/07	04/13/07 11:35	4/17/2007 11:55
EPA 7470A	05/08/07	04/16/07 08:38	4/16/2007 14:59
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 10:50
SM 2320B	04/24/07	04/23/07 14:00	4/23/2007 14:00

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Client ID: 5503-MW31

Lab ID: C703502-06

Sampled: 04/10/07 09:15

Received: 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	04/17/07	04/16/07 08:19	4/17/2007 13:20
EPA 325.3	05/08/07	04/17/07 12:00	4/17/2007 12:00
EPA 375.4	05/08/07	04/18/07 10:18	4/18/2007 20:20
EPA 6010B	10/07/07	04/13/07 09:10	4/18/2007 12:06
EPA 6020	10/07/07	04/13/07 11:35	4/17/2007 12:02
EPA 7470A	05/08/07	04/16/07 08:38	4/16/2007 15:01
EPA 8260B	04/24/07	04/16/07 16:16	4/17/2007 11:16
SM 2320B	04/24/07	04/23/07 14:00	4/23/2007 14:00

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5503-MW26 — **Lab ID: C703502-01**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	44.1	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chloride	1.0		1	1.0	1.0	NE	mg/L	EPA 325.3
Iron	211	J	1	20	50	300	ug/L	EPA 6010B
Manganese	28.9	J	1	1.4	10.0	50	ug/L	EPA 6010B
Mercury	0.22		1	0.11	0.20	0.2	ug/L	EPA 7470A
Sulfate as SO4	12	J, D	4	2.4	20	NE	mg/L	EPA 375.4
Total Alkalinity	11		1	2.0	2.0	NE	mg/L	SM 2320B

Client ID: 5503-MW27 — **Lab ID: C703502-02**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	250		1	0.20	10.0	100	ug/L	EPA 6010B
Chloride	6.0		1	1.0	1.0	NE	mg/L	EPA 325.3
cis-1,2-Dichloroethene	0.46	J	1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	3.9	J	1	2.0	10.0	10	ug/L	EPA 6010B
Iron	215	J	1	20	50	300	ug/L	EPA 6010B
Lead	5.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Manganese	264		1	1.4	10.0	50	ug/L	EPA 6010B
Nickel	6.4	J	1	2.0	10.0	50	ug/L	EPA 6010B
Selenium	3.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Sulfate as SO4	3.1	J	1	0.60	5.0	NE	mg/L	EPA 375.4
Thallium	0.053	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Total Alkalinity	33		1	2.0	2.0	NE	mg/L	SM 2320B
Trichlorofluoromethane	2.0		1	0.16	1.0	1	ug/L	EPA 8260B
Zinc	8.4	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW28 — **Lab ID: C703502-03**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	29.2	J	1	0.20	10.0	100	ug/L	EPA 6010B
Iron	38	J	1	20	50	300	ug/L	EPA 6010B
Manganese	17.0	J	1	1.4	10.0	50	ug/L	EPA 6010B
Sulfate as SO4	3.0	J	1	0.60	5.0	NE	mg/L	EPA 375.4
Thallium	0.047	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Total Alkalinity	3.0		1	2.0	2.0	NE	mg/L	SM 2320B

Client ID: 5503-MW29 — **Lab ID: C703502-04**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	23.9	J	1	0.20	10.0	100	ug/L	EPA 6010B
Beryllium	0.90	J	1	0.70	1.00	1	ug/L	EPA 6010B
Chloride	3.0		1	1.0	1.0	NE	mg/L	EPA 325.3
Chromium	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	1.50	J	1	0.60	10.0	10	ug/L	EPA 6010B
Iron	15400		1	20	50	300	ug/L	EPA 6010B
Manganese	26.6	J	1	1.4	10.0	50	ug/L	EPA 6010B
Nickel	3.0	J	1	2.0	10.0	50	ug/L	EPA 6010B
Sulfate as SO4	2.9	J	1	0.60	5.0	NE	mg/L	EPA 375.4
Thallium	0.117	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Total Alkalinity	10		1	2.0	2.0	NE	mg/L	SM 2320B
Vanadium	4.1	J	1	1.0	10.0	25	ug/L	EPA 6010B

Zinc	6.8	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW30 **Lab ID: C703502-05**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	57.6	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chloride	1.0		1	1.0	1.0	NE	mg/L	EPA 325.3
Chloroform	0.42	J	1	0.16	1.0	5	ug/L	EPA 8260B
Copper	0.60	J	1	0.60	10.0	10	ug/L	EPA 6010B
Iron	255	J	1	20	50	300	ug/L	EPA 6010B
Manganese	21.4	J	1	1.4	10.0	50	ug/L	EPA 6010B
Sulfate as SO4	3.0	J	1	0.60	5.0	NE	mg/L	EPA 375.4
Thallium	0.052	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Total Alkalinity	9.0		1	2.0	2.0	NE	mg/L	SM 2320B
Zinc	2.4	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-MW31 **Lab ID: C703502-06**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	10.7	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chloride	1.0		1	1.0	1.0	NE	mg/L	EPA 325.3
Iron	26800		1	20	50	300	ug/L	EPA 6010B
Manganese	29.6	J	1	1.4	10.0	50	ug/L	EPA 6010B
Nickel	2.9	J	1	2.0	10.0	50	ug/L	EPA 6010B
Sulfate as SO4	3.0	J	1	0.60	5.0	NE	mg/L	EPA 375.4
Zinc	1.1	J	1	1.0	10.0	10	ug/L	EPA 6010B

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ANALYTICAL REPORT

Sample ID:	5503-MW26	Project:	Lincoln County LF - C&D
Lab #:	C703502-01	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW26	Project:	Lincoln County LF - C&D
Lab #:	C703502-01	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	61	50.0	121 %	67-125
Dibromofluoromethane	1868-53-7	43	50.0	86 %	69-111
Toluene-d8	2037-26-5	52	50.0	104 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW26
Lab #: C703502-01

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**44.1** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**211** J	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**28.9** J	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	**0.22**	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID: 5503-MW26
Lab #: C703502-01

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Chloride	16887-00-6	**1.0**	1	1.0	1.0	NE	mg/L	EPA 325.3	NO PREP	7D17013
Sulfate as SO4	14808-79-8	**12** J, D	4	2.4	20	NE	mg/L	EPA 375.4	NO PREP	7D18008
Total Alkalinity	NA	**11**	1	2.0	2.0	NE	mg/L	SM 2320B	NO PREP	7D23022
Total Dissolved Solids	NA	10 U	1	10	10	NE	mg/L	EPA 160.1	NO PREP	7D16002

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ANALYTICAL REPORT

Sample ID:	5503-MW27	Project:	Lincoln County LF - C&D
Lab #:	C703502-02	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.46** J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW27	Project:	Lincoln County LF - C&D
Lab #:	C703502-02	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	**2.0**	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63	50.0	125 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	53	50.0	107 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW27
Lab #: C703502-02

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**250**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	**3.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**215** J	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	**5.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**264**	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	**6.4** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	**3.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	**0.053** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**8.4** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID: 5503-MW27
Lab #: C703502-02

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Chloride	16887-00-6	**6.0**	1	1.0	1.0	NE	mg/L	EPA 325.3	NO PREP	7D17013
Sulfate as SO4	14808-79-8	**3.1 J**	1	0.60	5.0	NE	mg/L	EPA 375.4	NO PREP	7D18008
Total Alkalinity	NA	**33**	1	2.0	2.0	NE	mg/L	SM 2320B	NO PREP	7D23022
Total Dissolved Solids	NA	10 U	1	10	10	NE	mg/L	EPA 160.1	NO PREP	7D16002

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ANALYTICAL REPORT

Sample ID:	5503-MW28	Project:	Lincoln County LF - C&D
Lab #:	C703502-03	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW28	Project:	Lincoln County LF - C&D
Lab #:	C703502-03	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	125 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	91 %	69-111
Toluene-d8	2037-26-5	54	50.0	109 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW28
Lab #: C703502-03

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**29.2** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**38** J	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**17.0** J	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	**0.047** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID: 5503-MW28
Lab #: C703502-03

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Chloride	16887-00-6	1.0 U	1	1.0	1.0	NE	mg/L	EPA 325.3	NO PREP	7D17013
Sulfate as SO4	14808-79-8	**3.0** J	1	0.60	5.0	NE	mg/L	EPA 375.4	NO PREP	7D18008
Total Alkalinity	NA	**3.0**	1	2.0	2.0	NE	mg/L	SM 2320B	NO PREP	7D23022
Total Dissolved Solids	NA	10 U	1	10	10	NE	mg/L	EPA 160.1	NO PREP	7D16002

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ANALYTICAL REPORT

Sample ID:	5503-MW29	Project:	Lincoln County LF - C&D
Lab #:	C703502-04	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW29	Project:	Lincoln County LF - C&D
Lab #:	C703502-04	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	55	50.0	109 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-MW29
Lab #: C703502-04

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**23.9** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	**0.90** J	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	**2.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	**1.50** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**15400**	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**26.6** J	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	**3.0** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	**0.117** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	**4.1** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**6.8** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID: 5503-MW29
Lab #: C703502-04

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Chloride	16887-00-6	**3.0**	1	1.0	1.0	NE	mg/L	EPA 325.3	NO PREP	7D17013
Sulfate as SO4	14808-79-8	**2.9** J	1	0.60	5.0	NE	mg/L	EPA 375.4	NO PREP	7D18008
Total Alkalinity	NA	**10**	1	2.0	2.0	NE	mg/L	SM 2320B	NO PREP	7D23022
Total Dissolved Solids	NA	10 U	1	10	10	NE	mg/L	EPA 160.1	NO PREP	7D16002

ANALYTICAL REPORT

Sample ID:	5503-MW30	Project:	Lincoln County LF - C&D
Lab #:	C703502-05	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	**0.42** J	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW30	Project:	Lincoln County LF - C&D
Lab #:	C703502-05	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	129 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	55	50.0	110 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW30
Lab #: C703502-05

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**57.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	**0.60** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**255** J	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**21.4** J	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	**0.052** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**2.4** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID: 5503-MW30
Lab #: C703502-05

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Chloride	16887-00-6	**1.0**	1	1.0	1.0	NE	mg/L	EPA 325.3	NO PREP	7D17013
Sulfate as SO4	14808-79-8	**3.0** J	1	0.60	5.0	NE	mg/L	EPA 375.4	NO PREP	7D18008
Total Alkalinity	NA	**9.0**	1	2.0	2.0	NE	mg/L	SM 2320B	NO PREP	7D23022
Total Dissolved Solids	NA	10 U	1	10	10	NE	mg/L	EPA 160.1	NO PREP	7D16002

ANALYTICAL REPORT

Sample ID:	5503-MW31	Project:	Lincoln County LF - C&D
Lab #:	C703502-06	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-MW31	Project:	Lincoln County LF - C&D
Lab #:	C703502-06	Work Order #:	C703502
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/17/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16023		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	126 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	54	50.0	109 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-MW31
Lab #: C703502-06

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**10.7** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**26800**	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**29.6** J	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	**2.9** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**1.1** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID: 5503-MW31
Lab #: C703502-06

Project: Lincoln County LF - C&D
Work Order #: C703502
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Chloride	16887-00-6	**1.0**	1	1.0	1.0	NE	mg/L	EPA 325.3	NO PREP	7D17013
Sulfate as SO4	14808-79-8	**3.0** J	1	0.60	5.0	NE	mg/L	EPA 375.4	NO PREP	7D18008
Total Alkalinity	NA	2.0 U	1	2.0	2.0	NE	mg/L	SM 2320B	NO PREP	7D23022
Total Dissolved Solids	NA	10 U	1	10	10	NE	mg/L	EPA 160.1	NO PREP	7D16002

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D16023 - EPA 5030B_MS										
Blank (7D16023-BLK1)				Prepared: 04/16/2007 16:16 Analyzed: 04/17/2007 02:10						
Acetone	0.90 U	5.0	ug/L							
LCS (7D16023-BS1)				Prepared: 04/16/2007 16:16 Analyzed: 04/17/2007 02:36						
Benzene	21	1.0	ug/L	20.0		105	76-116			
Trichloroethene	22	1.0	ug/L	20.0		112	81-118			
Chlorobenzene	22	1.0	ug/L	20.0		109	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0		96	57-141			
Toluene	20	1.0	ug/L	20.0		100	77-120			
Matrix Spike (7D16023-MS1)		Source: C705004-09		Prepared: 04/16/2007 16:16 Analyzed: 04/17/2007 03:02						
Benzene	20	1.0	ug/L	20.0	0.12 U	100	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118			
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	106	75-115			
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	91	57-141			
Toluene	19	1.0	ug/L	20.0	0.15 U	97	77-120			
Matrix Spike Dup (7D16023-MSD1)		Source: C705004-09		Prepared: 04/16/2007 16:16 Analyzed: 04/17/2007 03:28						
Benzene	21	1.0	ug/L	20.0	0.12 U	103	76-116	3	14	
Trichloroethene	22	1.0	ug/L	20.0	0.23 U	112	81-118	6	11	
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	106	75-115	0.6	12	
1,1-Dichloroethene	20	1.0	ug/L	20.0	0.14 U	98	57-141	7	12	
Toluene	20	1.0	ug/L	20.0	0.15 U	99	77-120	2	17	
Batch 7D17024 - EPA 5030B_MS										
Blank (7D17024-BLK1)				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 03:48						
Acetone	0.90 U	5.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
Benzene	0.12 U	1.0	ug/L							
2-Butanone	0.56 U	5.0	ug/L							
2-Hexanone	0.24 U	5.0	ug/L							
Iodomethane	0.23 U	2.0	ug/L							
Tetrachloroethene	0.25 U	1.0	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Bromochloromethane	0.19 U	1.0	ug/L							
Trichloroethene	0.23 U	1.0	ug/L							
Bromodichloromethane	0.19 U	0.40	ug/L							
Bromoform	0.36 U	1.0	ug/L							
Bromomethane	0.21 U	1.0	ug/L							
Carbon disulfide	0.12 U	5.0	ug/L							
Carbon tetrachloride	0.38 U	1.0	ug/L							
Chlorobenzene	0.16 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							
Chloroform	0.16 U	1.0	ug/L							
Chloromethane	0.18 U	1.0	ug/L							
Dibromochloromethane	0.18 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L							
1,2-Dibromoethane	0.19 U	1.0	ug/L							
Dibromomethane	0.14 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D17024 - EPA 5030B_MS										
Blank (7D17024-BLK1) Continued				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 03:48						
1,2-Dichlorobenzene	0.17 U	1.0	ug/L							
1,4-Dichlorobenzene	0.15 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
1,2-Dichloroethane	0.36 U	1.0	ug/L							
1,1-Dichloroethene	0.14 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,2-Dichloropropane	0.18 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
Ethylbenzene	0.17 U	1.0	ug/L							
Methylene chloride	0.088 U	2.0	ug/L							
Styrene	0.12 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
1,1,1-Trichloroethane	0.24 U	1.0	ug/L							
1,1,2-Trichloroethane	0.24 U	1.0	ug/L							
Trichlorofluoromethane	0.16 U	1.0	ug/L							
1,2,3-Trichloropropane	0.32 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D17024-BS1)				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 04:14						
Benzene	20	1.0	ug/L	20.0		100	76-116			
Trichloroethene	21	1.0	ug/L	20.0		106	81-118			
Chlorobenzene	21	1.0	ug/L	20.0		103	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0		94	57-141			
Toluene	19	1.0	ug/L	20.0		96	77-120			
Matrix Spike (7D17024-MS1)		**Source: C705004-11**		Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 04:40						
Benzene	20	1.0	ug/L	20.0	0.12 U	98	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118			
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	101	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0	0.14 U	93	57-141			
Toluene	19	1.0	ug/L	20.0	0.15 U	95	77-120			
Matrix Spike Dup (7D17024-MSD1)		**Source: C705004-11**		Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 05:06						
Benzene	20	1.0	ug/L	20.0	0.12 U	102	76-116	4	14	
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	106	81-118	0.8	11	
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	104	75-115	2	12	
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	91	57-141	2	12	
Toluene	19	1.0	ug/L	20.0	0.15 U	93	77-120	2	17	

Metals by EPA 6000/7000 Series Methods - Quality Control

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13004 - EPA 3005A										
Blank (7D13004-BLK1)				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:02						
Arsenic	2.4 J	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							
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 (7D13004-BS1)				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:08						
Arsenic	1030	10.0	ug/L	1000		103	82-117			
Barium	1070	10.0	ug/L	1000		107	72-125			
Beryllium	529	1.00	ug/L	500		106	75-121			
Cadmium	521	1.00	ug/L	500		104	72-120			
Chromium	1030	10.0	ug/L	1000		103	78-119			
Cobalt	1020	10.0	ug/L	1000		102	76-117			
Copper	508	10.0	ug/L	500		102	80-117			
Iron	10300	50	ug/L	10000		103	84-133			
Lead	1030	10.0	ug/L	1000		103	72-121			
Manganese	507	10.0	ug/L	500		101	76-123			
Nickel	1040	10.0	ug/L	1000		104	78-116			
Selenium	1050	10.0	ug/L	1000		105	82-127			
Silver	102	10.0	ug/L	100		102	80-128			
Vanadium	505	10.0	ug/L	500		101	78-117			
Zinc	1040	10.0	ug/L	1000		104	80-120			
Matrix Spike (7D13004-MS1)		Source: C703502-01		Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:24						
Arsenic	1100	10.0	ug/L	1000	2.0 U	110	64-126			
Barium	1190	10.0	ug/L	1000	44.1	115	74-119			
Beryllium	567	1.00	ug/L	500	0.70 U	113	70-131			
Cadmium	558	1.00	ug/L	500	0.50 U	112	68-121			
Chromium	1100	10.0	ug/L	1000	2.0 U	110	73-120			
Cobalt	1100	10.0	ug/L	1000	2.0 U	110	76-120			
Copper	540	10.0	ug/L	500	0.60 U	108	75-123			
Iron	11400	50	ug/L	10000	211	111	48-144			
Lead	1110	10.0	ug/L	1000	2.0 U	111	68-126			
Manganese	575	10.0	ug/L	500	28.9	109	55-146			
Nickel	1120	10.0	ug/L	1000	2.0 U	112	64-126			
Selenium	1120	10.0	ug/L	1000	2.0 U	112	65-129			
Silver	108	10.0	ug/L	100	2.0 U	108	69-121			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13004 - EPA 3005A										
Matrix Spike (7D13004-MS1) Continued		**Source: C703502-01**		Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:24						
Vanadium	539	10.0	ug/L	500	1.0 U	108	71-130			
Zinc	1120	10.0	ug/L	1000	1.0 U	112	63-131			
Batch 7D13018 - EPA 3005A										
Blank (7D13018-BLK1)				Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:28						
Antimony	0.58 U	2.00	ug/L							
Thallium	0.044 U	0.050	ug/L							
LCS (7D13018-BS1)				Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:30						
Antimony	55.0	2.00	ug/L	50.0		110	80-120			
Thallium	51.8	0.050	ug/L	50.0		104	80-120			
Matrix Spike (7D13018-MS1)		**Source: C703504-01**		Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:35						
Antimony	53.9	2.00	ug/L	50.0	0.58 U	108	70-130			
Thallium	50.7	0.050	ug/L	50.0	0.0610	101	70-130			
Matrix Spike Dup (7D13018-MSD1)		**Source: C703504-01**		Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:37						
Antimony	60.1	2.00	ug/L	50.0	0.58 U	120	70-130	11	20	
Thallium	54.9	0.050	ug/L	50.0	0.0610	110	70-130	8	20	
Batch 7D16006 - EPA 7470A										
Blank (7D16006-BLK1)				Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:16						
Mercury	0.11 U	0.20	ug/L							
LCS (7D16006-BS1)				Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:23						
Mercury	4.59	0.20	ug/L	5.00		92	87-123			
Matrix Spike (7D16006-MS1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:28						
Mercury	4.44	0.20	ug/L	5.00	0.11 U	89	63-132			
Matrix Spike Dup (7D16006-MSD1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:31						
Mercury	4.30	0.20	ug/L	5.00	0.11 U	86	63-132	3	10	
Post Spike (7D16006-PS1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:36						
Mercury	4.19 QM-08	0.20	ug/L	5.00	0.11	82	85-115			QM-08
Classical Chemistry Parameters - Quality Control										
Batch 7D16002 - NO PREP										
Blank (7D16002-BLK1)				Prepared: 04/16/2007 08:19 Analyzed: 04/17/2007 13:20						
Total Dissolved Solids	10 U	10	mg/L							
LCS (7D16002-BS1)				Prepared: 04/16/2007 08:19 Analyzed: 04/17/2007 13:20						
Total Dissolved Solids	310	10	mg/L	300		105	90-110			
LCS (7D16002-BS2)				Prepared: 04/16/2007 08:19 Analyzed: 04/17/2007 13:20						
Total Dissolved Solids	270	10	mg/L	300		90	90-110			
Duplicate (7D16002-DUP1)		**Source: C703502-01**		Prepared: 04/16/2007 08:19 Analyzed: 04/17/2007 13:20						
Total Dissolved Solids	10 U	10	mg/L		10 U				10	
Batch 7D17013 - NO PREP										
Blank (7D17013-BLK1)				Prepared & Analyzed: 04/17/2007						
Chloride	1.0 U	1.0	mg/L							
LCS (7D17013-BS1)				Prepared & Analyzed: 04/17/2007						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7D17013 - NO PREP										
LCS (7D17013-BS1) Continued				Prepared & Analyzed: 04/17/2007						
Chloride	46	1.0	mg/L	50.0		92	80-120			
Matrix Spike (7D17013-MS1)		**Source: C703502-02**		Prepared & Analyzed: 04/17/2007						
Chloride	54	1.0	mg/L	50.0	6.0	96	80-120			
Matrix Spike Dup (7D17013-MSD1)		**Source: C703502-02**		Prepared & Analyzed: 04/17/2007						
Chloride	55	1.0	mg/L	50.0	6.0	98	80-120	2	25	
Batch 7D18008 - NO PREP										
Blank (7D18008-BLK1)				Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 19:43						
Sulfate as SO4	3.1 J	5.0	mg/L							
LCS (7D18008-BS1)				Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 19:47						
Sulfate as SO4	21	5.0	mg/L	20.0		103	80-120			
Matrix Spike (7D18008-MS1)		**Source: C704495-01**		Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 20:34						
Sulfate as SO4	24	5.0	mg/L	20.0	3.1	103	80-120			
Matrix Spike Dup (7D18008-MSD1)		**Source: C704495-01**		Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 20:39						
Sulfate as SO4	28 QM-07	5.0	mg/L	20.0	3.1	126	80-120	17	25	QM-07
Batch 7D23022 - NO PREP										
Blank (7D23022-BLK1)				Prepared & Analyzed: 04/23/2007						
Total Alkalinity	2.0 U	2.0	mg/L							
LCS (7D23022-BS1)				Prepared & Analyzed: 04/23/2007						
Total Alkalinity	120	2.0	mg/L	125		96	80-120			
Matrix Spike (7D23022-MS1)		**Source: C703502-02**		Prepared & Analyzed: 04/23/2007						
Total Alkalinity	160	2.0	mg/L	125	33	101	80-120			
Matrix Spike Dup (7D23022-MSD1)		**Source: C703502-02**		Prepared & Analyzed: 04/23/2007						
Total Alkalinity	160	2.0	mg/L	125	33	102	80-120	0.3	25	

NOTES AND DEFINITIONS

D	Data reported from a dilution
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Alkalinity SM 2320B	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chloride 325.3	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Iron Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Manganese Total EPA 6010B	Water	NC	591
Mercury Total EPA 7470A	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
TDS 160.1	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591

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
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1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: P.O. Box 7668	Project Name/Desc: Lincoln County LF - C&D
City/ST/Zip: Charlotte, NC 28241-7668	PO # / Billing Info: 43420
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelon	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required)

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due __/__/__

Lab Workorder: C703502

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

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.1,Sulfate 375.4	Chloride 325.3	TDS 160.1						Sample Comments
	5503-MW26	04/11/07	1110	G	Water	6	X	X	X	X	X						
	5503-MW27	04/11/07	1115	G	Water	6	X	X	X	X	X						
	5503-MW28	04/10/07	1045	G	Water	6	X	X	X	X	X						
	5503-MW29	04/10/07	0842	G	Water	6	X	X	X	X	X						
	5503-MW30	04/10/07	0900	G	Water	6	X	X	X	X	X						
	5503-MW31	04/10/07	0915	G	Water	6	X	X	X	X	X						
	~~EXTRA~~				~~Water~~	~~6~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
						36	<-- Total # of Containers										

Sample Kit Prepared By: CARY	Date/Time: 3/21/07 0800	Relinquished By: [signature]	Date/Time: 04/11/07 1600	Received By: BJD	Date/Time: 4/12/07 10:40
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-Leachate **Lab ID:** C703503-01

Sampled: 04/11/07 11:45 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.2	04/18/07	04/18/07 07:34	4/19/2007 13:00
EPA 300.0	05/09/07	04/17/07 17:40	4/18/2007 18:32
EPA 353.2	05/09/07	04/13/07 09:38	4/14/2007 12:51
EPA 353.2	05/09/07	04/17/07 17:57	4/17/2007 17:57
EPA 354.1	04/13/07 11:45	04/12/07 17:30	4/12/2007 17:30
EPA 365.4	05/09/07	04/18/07 12:20	4/20/2007 11:50
EPA 375.4	05/09/07	04/18/07 10:18	4/18/2007 20:24
EPA 405.1	04/13/07 11:45 04/17/07	04/12/07 13:00	4/17/2007 09:00
EPA 410.4	05/09/07	04/16/07 08:06	4/17/2007 13:45
EPA 6010B	10/08/07	04/13/07 09:10	4/18/2007 12:13
EPA 6020	10/08/07	04/13/07 11:35	4/17/2007 12:04
EPA 8260B	04/25/07	04/18/07 14:14	4/18/2007 18:02
SM 2320B	04/25/07	04/23/07 14:00	4/23/2007 14:00

Client ID: 5503-Trip Blank **Lab ID:** C703503-02

Sampled: 04/11/07 00:00 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 05:58

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5503-Leachate **Lab ID: C703503-01**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1,1-Trichloroethane	4.2	J, D	5	1.2	5.0	1	ug/L	EPA 8260B
1,1-Dichloroethane	7.0	D	5	0.45	5.0	5	ug/L	EPA 8260B
1,2-Dichloroethane	12	D	5	1.8	5.0	1	ug/L	EPA 8260B
2-Butanone	420	D	5	2.8	25	100	ug/L	EPA 8260B
4-Methyl-2-pentanone	25	J	5	1.8	25	100	ug/L	EPA 8260B
Acetone	180	D	5	4.5	25	100	ug/L	EPA 8260B
Antimony	0.84	J	1	0.58	2.00	6	ug/L	EPA 6020
Arsenic	34.0		1	2.0	10.0	10	ug/L	EPA 6010B
Barium	770		1	0.20	10.0	100	ug/L	EPA 6010B
Biochemical Oxygen Demand	110		1	2.0	2.0	NE	mg/L	EPA 405.1
Chemical Oxygen Demand	600		1	10	10	NE	mg/L	EPA 410.4
cis-1,2-Dichloroethene	4.0	J	5	0.70	5.0	5	ug/L	EPA 8260B
Cobalt	16.3		1	2.0	10.0	10	ug/L	EPA 6010B
Ethylbenzene	11	D	5	0.85	5.0	1	ug/L	EPA 8260B
Lead	3.0	J	1	2.0	10.0	10	ug/L	EPA 6010B
m,p-Xylenes	13	D	5	1.0	10	NE	ug/L	EPA 8260B
Methylene chloride	5.4	J, D	5	0.44	10	1	ug/L	EPA 8260B
Nickel	26.1	J	1	2.0	10.0	50	ug/L	EPA 6010B
Nitrate as N	0.055	J	1	0.0066	0.10	NE	mg/L	EPA 353.2
o-Xylene	20	D	5	0.70	5.0	NE	ug/L	EPA 8260B
Phosphorus	2.5		1	0.020	0.030	NE	mg/L	EPA 365.4
Styrene	2.6	J, D	5	0.60	5.0	1	ug/L	EPA 8260B
Sulfate	2.7	J, D	2	0.06	4.0	NE	mg/L	EPA 300.0
Sulfate as SO4	3.1	J	1	0.60	5.0	NE	mg/L	EPA 375.4
Tetrachloroethene	9.0	D	5	1.2	5.0	1	ug/L	EPA 8260B
Toluene	110	D	5	0.75	5.0	1	ug/L	EPA 8260B
Total Alkalinity	1600		1	2.0	2.0	NE	mg/L	SM 2320B
Total Suspended Solids	46		1	1.0	1.0	NE	mg/L	EPA 160.2
Trichlorofluoromethane	1.9	J, D	5	0.80	5.0	1	ug/L	EPA 8260B
Zinc	4.3	J	1	1.0	10.0	10	ug/L	EPA 6010B

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ANALYTICAL REPORT

Sample ID:	5503-Leachate	Project:	Lincoln County LF - Leachate
Lab #:	C703503-01	Work Order #:	C703503
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	5
Anal. Batch:			
QC Batch:	7D18020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.80 U, D	0.80	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	**4.2** J, D	1.2	5.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	1.4 U, D	1.4	5.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	1.2 U, D	1.2	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	**7.0** D	0.45	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.70 U, D	0.70	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	1.6 U, D	1.6	5.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.95 U, D	0.95	5.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.95 U, D	0.95	5.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.85 U, D	0.85	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	**12** D	1.8	5.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.90 U, D	0.90	5.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.75 U, D	0.75	5.0	1	ug/L
2-Butanone	78-93-3	**420** D	2.8	25	100	ug/L
2-Hexanone	591-78-6	1.2 U, D	1.2	25	50	ug/L
4-Methyl-2-pentanone	108-10-1	**25** J	1.8	25	100	ug/L
Acetone	67-64-1	**180** D	4.5	25	100	ug/L
Acrylonitrile	107-13-1	10 U, D	10	25	200	ug/L
Benzene	71-43-2	0.60 U, D	0.60	5.0	1	ug/L
Bromochloromethane	74-97-5	0.95 U, D	0.95	5.0	3	ug/L
Bromodichloromethane	75-27-4	0.95 U, D	0.95	2.0	1	ug/L
Bromoform	75-25-2	1.8 U, D	1.8	5.0	3	ug/L
Bromomethane	74-83-9	1.0 U, D	1.0	5.0	10	ug/L
Carbon disulfide	75-15-0	0.60 U, D	0.60	25	100	ug/L
Carbon tetrachloride	56-23-5	1.9 U, D	1.9	5.0	1	ug/L
Chlorobenzene	108-90-7	0.80 U, D	0.80	5.0	3	ug/L
Chloroethane	75-00-3	2.0 U, D	2.0	5.0	10	ug/L
Chloroform	67-66-3	0.80 U, D	0.80	5.0	5	ug/L
Chloromethane	74-87-3	0.90 U, D	0.90	5.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**4.0** J	0.70	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.80 U, D	0.80	1.0	1	ug/L
Dibromochloromethane	124-48-1	0.90 U, D	0.90	5.0	1	ug/L
Dibromomethane	74-95-3	0.70 U, D	0.70	5.0	10	ug/L
Ethylbenzene	100-41-4	**11** D	0.85	5.0	1	ug/L
Iodomethane	74-88-4	1.2 U, D	1.2	10	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	**13** D	1.0	10	NE	ug/L
Methylene chloride	75-09-2	**5.4** J, D	0.44	10	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-Leachate	Project:	Lincoln County LF - Leachate
Lab #:	C703503-01	Work Order #:	C703503
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	5
Anal. Batch:			
QC Batch:	7D18020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	**20** D	0.70	5.0	NE	ug/L
Styrene	100-42-5	**2.6** J, D	0.60	5.0	1	ug/L
Tetrachloroethene	127-18-4	**9.0** D	1.2	5.0	1	ug/L
Toluene	108-88-3	**110** D	0.75	5.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.50 U, D	0.50	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.90 U, D	0.90	1.0	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	3.0 U, D	3.0	5.0	100	ug/L
Trichloroethene	79-01-6	1.2 U, D	1.2	5.0	1	ug/L
Trichlorofluoromethane	75-69-4	**1.9** J, D	0.80	5.0	1	ug/L
Vinyl acetate	108-05-4	0.95 U, D	0.95	10	50	ug/L
Vinyl chloride	75-01-4	0.75 U, D	0.75	5.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	125 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	53	50.0	107 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-Leachate
Lab #: C703503-01

Project: Lincoln County LF - Leachate
Work Order #: C703503
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	**0.84** J	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	**34.0**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**770**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	**16.3**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	**3.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Nickel	7440-02-0	**26.1** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**4.3** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

ANALYTICAL REPORT

Sample ID: 5503-Leachate
Lab #: C703503-01

Project: Lincoln County LF - Leachate
Work Order #: C703503
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Biochemical Oxygen Demand	NA	**110**	1	2.0	2.0	NE	mg/L	EPA 405.1	NO PREP	7D12011
Chemical Oxygen Demand	NA	**600**	1	10	10	NE	mg/L	EPA 410.4	Same	7D16001
Nitrate as N	14797-55-8	**0.055** J	1	0.0066	0.10	NE	mg/L	EPA 353.2	Same	7D17028
Nitrate/Nitrite as N	NA	**0.055** J	1	0.0066	0.10		mg/L	EPA 353.2	NO PREP	7D13008
Nitrite as N	14797-65-0	0.10 U	1	0.10	0.10	NE	mg/L	EPA 354.1	NO PREP	7D17025
Sulfate as SO4	14808-79-8	**3.1** J	1	0.60	5.0	NE	mg/L	EPA 375.4	NO PREP	7D18008
Total Alkalinity	NA	**1600**	1	2.0	2.0	NE	mg/L	SM 2320B	NO PREP	7D23022
Total Suspended Solids	NA	**46**	1	1.0	1.0	NE	mg/L	EPA 160.2	Same	7D18004

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ANALYTICAL REPORT

Sample ID: 5503-Leachate
Lab #: C703503-01

Project: Lincoln County LF - Leachate
Work Order #: C703503
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Phosphorus	7723-14-0	**2.5**	1	0.020	0.030	NE	mg/L	EPA 365.4	Same	7D13015
Sulfate	14808-79-8	**2.7 J, D**	2	0.06	4.0	NE	mg/L	EPA 300.0	NA	7D17022

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ANALYTICAL REPORT

Sample ID:	5503-Trip Blank	Project:	Lincoln County LF - Leachate
Lab #:	C703503-02	Work Order #:	C703503
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-Trip Blank	Project:	Lincoln County LF - Leachate
Lab #:	C703503-02	Work Order #:	C703503
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	89 %	69-111
Toluene-d8	2037-26-5	54	50.0	109 %	85-120

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7D17024 - EPA 5030B_MS

Blank (7D17024-BLK1) Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 03:48

Analyte	Result	MRL	Units
Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D17024 - EPA 5030B_MS										
Blank (7D17024-BLK1) Continued				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 03:48						
Vinyl chloride	0.15 U	1.0	ug/L							
Xylenes (Total)	0.21 U	1.0	ug/L							
Surrogate: Toluene-d8	*54*		*ug/L*	*50.0*		*108*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*60*		*ug/L*	*50.0*		*121*	*67-125*			
Surrogate: Dibromofluoromethane	*46*		*ug/L*	*50.0*		*93*	*69-111*			
LCS (7D17024-BS1)				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 04:14						
Benzene	20	1.0	ug/L	20.0		100	76-116			
Trichloroethene	21	1.0	ug/L	20.0		106	81-118			
Chlorobenzene	21	1.0	ug/L	20.0		103	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0		94	57-141			
Toluene	19	1.0	ug/L	20.0		96	77-120			
Matrix Spike (7D17024-MS1)		**Source: C705004-11**		Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 04:40						
Benzene	20	1.0	ug/L	20.0	0.12 U	98	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118			
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	101	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0	0.14 U	93	57-141			
Toluene	19	1.0	ug/L	20.0	0.15 U	95	77-120			
Matrix Spike Dup (7D17024-MSD1)		**Source: C705004-11**		Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 05:06						
Benzene	20	1.0	ug/L	20.0	0.12 U	102	76-116	4	14	
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	106	81-118	0.8	11	
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	104	75-115	2	12	
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	91	57-141	2	12	
Toluene	19	1.0	ug/L	20.0	0.15 U	93	77-120	2	17	
Batch 7D18020 - EPA 5030B_MS										
Blank (7D18020-BLK1)				Prepared: 04/18/2007 14:14 Analyzed: 04/18/2007 15:58						
Acetone	0.90 U	5.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
Benzene	0.12 U	1.0	ug/L							
2-Butanone	0.56 U	5.0	ug/L							
2-Hexanone	0.24 U	5.0	ug/L							
Iodomethane	0.23 U	2.0	ug/L							
Tetrachloroethene	0.25 U	1.0	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Bromochloromethane	0.19 U	1.0	ug/L							
Trichloroethene	0.23 U	1.0	ug/L							
Bromodichloromethane	0.19 U	0.40	ug/L							
Bromoform	0.36 U	1.0	ug/L							
Bromomethane	0.21 U	1.0	ug/L							
Carbon disulfide	0.12 U	5.0	ug/L							
Carbon tetrachloride	0.38 U	1.0	ug/L							
Chlorobenzene	0.16 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							
Chloroform	0.16 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D18020 - EPA 5030B_MS										
Blank (7D18020-BLK1) Continued				Prepared: 04/18/2007 14:14 Analyzed: 04/18/2007 15:58						
Chloromethane	0.18 U	1.0	ug/L							
Dibromochloromethane	0.18 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L							
1,2-Dibromoethane	0.19 U	1.0	ug/L							
Dibromomethane	0.14 U	1.0	ug/L							
1,2-Dichlorobenzene	0.17 U	1.0	ug/L							
1,4-Dichlorobenzene	0.15 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
1,2-Dichloroethane	0.36 U	1.0	ug/L							
1,1-Dichloroethene	0.14 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,2-Dichloropropane	0.18 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
Ethylbenzene	0.17 U	1.0	ug/L							
Methylene chloride	0.088 U	2.0	ug/L							
Styrene	0.12 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
1,1,1-Trichloroethane	0.24 U	1.0	ug/L							
1,1,2-Trichloroethane	0.24 U	1.0	ug/L							
Trichlorofluoromethane	0.16 U	1.0	ug/L							
1,2,3-Trichloropropane	0.32 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
Vinyl chloride	0.15 U	1.0	ug/L							
Xylenes (Total)	0.21 U	1.0	ug/L							
Surrogate: Toluene-d8	*54*		*ug/L*	*50.0*		*108*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*63*		*ug/L*	*50.0*		*127*	*67-125*			S-GC
Surrogate: Dibromofluoromethane	*46*		*ug/L*	*50.0*		*93*	*69-111*			
LCS (7D18020-BS1)				Prepared: 04/18/2007 14:14 Analyzed: 04/18/2007 16:24						
Benzene	20	1.0	ug/L	20.0		101	76-116			
Trichloroethene	21	1.0	ug/L	20.0		107	81-118			
Chlorobenzene	20	1.0	ug/L	20.0		102	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0		93	57-141			
Toluene	19	1.0	ug/L	20.0		93	77-120			
Matrix Spike (7D18020-MS1)		**Source: C702674-11**		Prepared: 04/18/2007 14:14 Analyzed: 04/18/2007 17:08						
Benzene	17	1.0	ug/L	20.0	0.12 U	83	76-116			
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	99	81-118			
Chlorobenzene	19	1.0	ug/L	20.0	0.16 U	93	75-115			
1,1-Dichloroethene	17	1.0	ug/L	20.0	0.14 U	83	57-141			
Toluene	16	1.0	ug/L	20.0	0.15 U	82	77-120			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D18020 - EPA 5030B_MS										
Matrix Spike Dup (7D18020-MSD1)		**Source: C702674-11**		Prepared: 04/18/2007 14:14 Analyzed: 04/19/2007 15:15						
Benzene	21 QR-02	1.0	ug/L	20.0	0.12 U	105	76-116	23	14	QR-02
Trichloroethene	22	1.0	ug/L	20.0	0.23 U	111	81-118	11	11	
Chlorobenzene	21 QR-02	1.0	ug/L	20.0	0.16 U	106	75-115	13	12	QR-02
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	91	57-141	9	12	
Toluene	19	1.0	ug/L	20.0	0.15 U	94	77-120	13	17	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13004 - EPA 3005A										
Blank (7D13004-BLK1)				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:02						
Arsenic	2.4 J	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							
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 (7D13004-BS1)				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:08						
Arsenic	1030	10.0	ug/L	1000		103	82-117			
Barium	1070	10.0	ug/L	1000		107	72-125			
Beryllium	529	1.00	ug/L	500		106	75-121			
Cadmium	521	1.00	ug/L	500		104	72-120			
Chromium	1030	10.0	ug/L	1000		103	78-119			
Cobalt	1020	10.0	ug/L	1000		102	76-117			
Copper	508	10.0	ug/L	500		102	80-117			
Lead	1030	10.0	ug/L	1000		103	72-121			
Nickel	1040	10.0	ug/L	1000		104	78-116			
Selenium	1050	10.0	ug/L	1000		105	82-127			
Silver	102	10.0	ug/L	100		102	80-128			
Vanadium	505	10.0	ug/L	500		101	78-117			
Zinc	1040	10.0	ug/L	1000		104	80-120			
Matrix Spike (7D13004-MS1)		**Source: C703502-01**		Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:24						
Arsenic	1100	10.0	ug/L	1000	2.0 U	110	64-126			
Barium	1190	10.0	ug/L	1000	44.1	115	74-119			
Beryllium	567	1.00	ug/L	500	0.70 U	113	70-131			
Cadmium	558	1.00	ug/L	500	0.50 U	112	68-121			
Chromium	1100	10.0	ug/L	1000	2.0 U	110	73-120			
Cobalt	1100	10.0	ug/L	1000	2.0 U	110	76-120			
Copper	540	10.0	ug/L	500	0.60 U	108	75-123			
Lead	1110	10.0	ug/L	1000	2.0 U	111	68-126			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13004 - EPA 3005A										
Matrix Spike (7D13004-MS1) Continued		**Source: C703502-01**		Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:24						
Nickel	1120	10.0	ug/L	1000	2.0 U	112	64-126			
Selenium	1120	10.0	ug/L	1000	2.0 U	112	65-129			
Silver	108	10.0	ug/L	100	2.0 U	108	69-121			
Vanadium	539	10.0	ug/L	500	1.0 U	108	71-130			
Zinc	1120	10.0	ug/L	1000	1.0 U	112	63-131			
Batch 7D13018 - EPA 3005A										
Blank (7D13018-BLK1)				Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:28						
Antimony	0.58 U	2.00	ug/L							
Thallium	0.044 U	0.050	ug/L							
LCS (7D13018-BS1)				Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:30						
Antimony	55.0	2.00	ug/L	50.0		110	80-120			
Thallium	51.8	0.050	ug/L	50.0		104	80-120			
Matrix Spike (7D13018-MS1)		**Source: C703504-01**		Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:35						
Antimony	53.9	2.00	ug/L	50.0	0.58 U	108	70-130			
Thallium	50.7	0.050	ug/L	50.0	0.0610	101	70-130			
Matrix Spike Dup (7D13018-MSD1)		**Source: C703504-01**		Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:37						
Antimony	60.1	2.00	ug/L	50.0	0.58 U	120	70-130	11	20	
Thallium	54.9	0.050	ug/L	50.0	0.0610	110	70-130	8	20	
Classical Chemistry Parameters - Quality Control										
Batch 7D12011 - NO PREP										
Blank (7D12011-BLK1)				Prepared: 04/12/2007 13:00 Analyzed: 04/17/2007 09:00						
Biochemical Oxygen Demand	2.0 U	2.0	mg/L							
LCS (7D12011-BS1)				Prepared: 04/12/2007 13:00 Analyzed: 04/17/2007 09:00						
Biochemical Oxygen Demand	190	2.0	mg/L	198		98	82-118			
Duplicate (7D12011-DUP1)		**Source: C705139-02**		Prepared: 04/12/2007 13:00 Analyzed: 04/17/2007 09:00						
Biochemical Oxygen Demand	2.0 U	2.0	mg/L		2.0 U				25	
Batch 7D13008 - NO PREP										
Blank (7D13008-BLK1)				Prepared: 04/13/2007 09:38 Analyzed: 04/14/2007 12:47						
Nitrate/Nitrite as N	0.0066 U	0.10	mg/L							
LCS (7D13008-BS1)				Prepared: 04/13/2007 09:38 Analyzed: 04/14/2007 12:49						
Nitrate/Nitrite as N	1.2	0.10	mg/L	1.25		100	80-120			
Matrix Spike (7D13008-MS1)		**Source: C703503-01**		Prepared: 04/13/2007 09:38 Analyzed: 04/14/2007 12:53						
Nitrate/Nitrite as N	1.0 QM-05	0.10	mg/L	1.25	0.055	76	80-120			QM-05
Matrix Spike Dup (7D13008-MSD1)		**Source: C703503-01**		Prepared: 04/13/2007 09:38 Analyzed: 04/14/2007 12:56						
Nitrate/Nitrite as N	1.0 QM-05	0.10	mg/L	1.25	0.055	77	80-120	0.9	25	QM-05
Batch 7D16001 - Same										
Blank (7D16001-BLK1)				Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						
Chemical Oxygen Demand	10 U	10	mg/L							
LCS (7D16001-BS1)				Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						
Chemical Oxygen Demand	540	10	mg/L	500		109	90-110			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7D16001 - Same										
Matrix Spike (7D16001-MS1)		**Source: C704676-01**		Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						
Chemical Oxygen Demand	580	10	mg/L	500	80	99	90-110			
Matrix Spike Dup (7D16001-MSD1)		**Source: C704676-01**		Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						
Chemical Oxygen Demand	580	10	mg/L	500	80	101	90-110	1	15	
Batch 7D17025 - NO PREP										
Blank (7D17025-BLK1)				Prepared & Analyzed: 04/12/2007						
Nitrite as N	0.10 U	0.10	mg/L							
LCS (7D17025-BS1)				Prepared & Analyzed: 04/12/2007						
Nitrite as N	0.53	0.10	mg/L	0.512		104	80-120			
Matrix Spike (7D17025-MS1)		**Source: C703503-01**		Prepared & Analyzed: 04/12/2007						
Nitrite as N	0.51	0.10	mg/L	0.512	0.10 U	100	80-120			
Matrix Spike Dup (7D17025-MSD1)		**Source: C703503-01**		Prepared & Analyzed: 04/12/2007						
Nitrite as N	0.50	0.10	mg/L	0.512	0.10 U	98	80-120	2	25	
Batch 7D18004 - Same										
Blank (7D18004-BLK1)				Prepared: 04/18/2007 07:34 Analyzed: 04/19/2007 13:00						
Total Suspended Solids	1.0 U	1.0	mg/L							
LCS (7D18004-BS1)				Prepared: 04/18/2007 07:34 Analyzed: 04/19/2007 13:00						
Total Suspended Solids	89	1.0	mg/L	80.0		111	82-119			
Duplicate (7D18004-DUP1)		**Source: C705139-02**		Prepared: 04/18/2007 07:34 Analyzed: 04/19/2007 13:00						
Total Suspended Solids	1.0 U	1.0	mg/L		1.0 U				10	
Batch 7D18008 - NO PREP										
Blank (7D18008-BLK1)				Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 19:43						
Sulfate as SO4	3.1 J	5.0	mg/L							
LCS (7D18008-BS1)				Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 19:47						
Sulfate as SO4	21	5.0	mg/L	20.0		103	80-120			
Matrix Spike (7D18008-MS1)		**Source: C704495-01**		Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 20:34						
Sulfate as SO4	24	5.0	mg/L	20.0	3.1	103	80-120			
Matrix Spike Dup (7D18008-MSD1)		**Source: C704495-01**		Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 20:39						
Sulfate as SO4	28 QM-07	5.0	mg/L	20.0	3.1	126	80-120	17	25	QM-07
Batch 7D23022 - NO PREP										
Blank (7D23022-BLK1)				Prepared & Analyzed: 04/23/2007						
Total Alkalinity	2.0 U	2.0	mg/L							
LCS (7D23022-BS1)				Prepared & Analyzed: 04/23/2007						
Total Alkalinity	120	2.0	mg/L	125		96	80-120			
Matrix Spike (7D23022-MS1)		**Source: C703502-02**		Prepared & Analyzed: 04/23/2007						
Total Alkalinity	160	2.0	mg/L	125	33	101	80-120			
Matrix Spike Dup (7D23022-MSD1)		**Source: C703502-02**		Prepared & Analyzed: 04/23/2007						
Total Alkalinity	160	2.0	mg/L	125	33	102	80-120	0.3	25	

QUALITY CONTROL

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7D13015 - Same										
Blank (7D13015-BLK1)				Prepared: 04/18/2007 12:20 Analyzed: 04/20/2007 11:25						
Phosphorus	0.020 U	0.030	mg/L							
LCS (7D13015-BS1)				Prepared: 04/18/2007 12:20 Analyzed: 04/20/2007 11:26						
Phosphorus	2.4	0.030	mg/L	2.50		98	87-114			
Matrix Spike (7D13015-MS1)		**Source: A701750-01**		Prepared: 04/18/2007 12:20 Analyzed: 04/20/2007 11:29						
Phosphorus	2.4	0.030	mg/L	2.50	0.020 U	97	74-121			
Matrix Spike Dup (7D13015-MSD1)		**Source: A701750-01**		Prepared: 04/18/2007 12:20 Analyzed: 04/20/2007 11:30						
Phosphorus	2.5	0.030	mg/L	2.50	0.020 U	99	74-121	2	11	
Batch 7D17022 - NA										
Blank (7D17022-BLK1)				Prepared: 04/17/2007 17:40 Analyzed: 04/18/2007 09:34						
Sulfate	0.03 U	2.0	mg/L							
LCS (7D17022-BS1)				Prepared: 04/17/2007 17:40 Analyzed: 04/18/2007 09:54						
Sulfate	240	2.0	mg/L	250		95	90-110			
Matrix Spike (7D17022-MS1)		**Source: A702027-02**		Prepared: 04/17/2007 17:40 Analyzed: 04/18/2007 10:14						
Sulfate	230 QM-07	2.0	mg/L	255	0.87	88	90-110			QM-07
Matrix Spike Dup (7D17022-MSD1)		**Source: A702027-02**		Prepared: 04/17/2007 17:40 Analyzed: 04/18/2007 10:33						
Sulfate	260	2.0	mg/L	255	0.87	101	90-110	14	25	

NOTES AND DEFINITIONS

D	Data reported from a dilution
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Alkalinity SM 2320B	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
BOD 405.1	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
COD 410.4	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Nitrate Calc 353.2	Water	NC	591
Nitrite as N 354.1	Water	NC	591
NOX 353.2	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
TSS 160.2	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591
Phosphorus 365.4	Water	NC	424
Sulfate 300	Water	NC	424

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: P.O. Box 7668	Project Name/Desc: Lincoln County LF - Leachate
City/ST/Zip: Charlotte, NC 28241-7668	PO # / Billing Info: 43420
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required)

Requested Analyses: 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, Sulfate 375.4; BOD 405.1; COD 410.4; Nitrate Calc 353.2; NOX 353.2,P; TSS 160.2

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due __/__/__

Lab Workorder: C703503

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.1, Nitrite as N 353.2, Sulfate 375.4	BOD 405.1	COD 410.4	Nitrate Calc 353.2	NOX 353.2,P	TSS 160.2			Sample Comments
	5503-Leachate	04/11/07	1145	G	Water	10	X	X	X	X	X	X	X	X			
	5503-Trip Blank				Water	3	X										
	~~Extra~~				~~Water~~	~~10~~	X	X	X	X	X	X	X	X			
						13	<-- Total # of Containers										

Sample Kit Prepared By: CARY	Date/Time: 3/21/07 0800	Relinquished By: [signature]	Date/Time: 1600 04/11/07	Received By: BJD	Date/Time: 4/12/07 10:40
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil 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

The total number of pages in this report, including this page is 1.

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

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: P.O. Box 7668	Project Name/Desc: Lincoln County LF - Leachate
City/ST/Zip: Charlotte, NC 28241-7668	PO # / Billing Info: 43420
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: C703503

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,Sulfate 375.4	BOD 405.1	COD 410.4	Nitrate Calc 353.2	NOX 353.2,P	TSS 160.2			Sample Comments
							Preservation (See Codes) (Combine as necessary)										
	5503-Leachate	04/11/07	1145	G	Water	10	X	X	X	X	X	X	X	X			
	5503-Trip Blank				Water	3	X										
	~~Extra~~				~~Water~~	~~10~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			
						13	<-- Total # of Containers										

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARM	3/21/07 0800	[signature]	1600 04/11/07	BJD	4/12/07 10:40
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-SW1 **Lab ID:** C703504-01

Sampled: 04/11/07 11:00 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:10	4/18/2007 12:20
EPA 6020	10/08/07	04/13/07 11:35	4/16/2007 18:32
EPA 7470A	05/09/07	04/16/07 08:38	4/16/2007 15:04
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 09:52

Client ID: 5503-SW2 **Lab ID:** C703504-02

Sampled: 04/11/07 12:05 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:10	4/18/2007 12:27
EPA 6020	10/08/07	04/13/07 11:35	4/16/2007 18:40
EPA 7470A	05/09/07	04/16/07 08:38	4/16/2007 15:06
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 10:18

Client ID: 5503-SW3 **Lab ID:** C703504-03

Sampled: 04/11/07 12:15 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:10	4/18/2007 12:34
EPA 6020	10/08/07	04/13/07 11:35	4/16/2007 18:42
EPA 7470A	05/09/07	04/16/07 08:38	4/16/2007 15:08
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 10:43

Client ID: 5503-SW4 **Lab ID:** C703504-04

Sampled: 04/11/07 10:30 **Received:** 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:10	4/18/2007 12:41
EPA 6020	10/08/07	04/13/07 11:35	4/17/2007 11:32
EPA 7470A	05/09/07	04/16/07 08:38	4/16/2007 15:11
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 11:10

Client ID: 5503-SW5

Lab ID: C703504-05

Sampled: 04/11/07 10:40

Received: 04/12/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/08/07	04/13/07 09:10	4/18/2007 12:48
EPA 6020	10/08/07	04/13/07 11:35	4/17/2007 11:35
EPA 7470A	05/09/07	04/16/07 08:38	4/16/2007 15:13
EPA 8260B	04/25/07	04/17/07 15:32	4/18/2007 11:36

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5503-SW1 — **Lab ID: C703504-01**

Analyte	Results/Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	47.8 J	1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	2.0 J	1	2.0	10.0	10	ug/L	EPA 6010B
Iron	1830	1	20	50	300	ug/L	EPA 6010B
Manganese	460	1	1.4	10.0	50	ug/L	EPA 6010B
Selenium	5.3 J	1	2.0	10.0	10	ug/L	EPA 6010B
Thallium	0.061 J	1	0.044	0.050	5.5	ug/L	EPA 6020
Zinc	6.5 J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-SW2 — **Lab ID: C703504-02**

Analyte	Results/Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	20.2 J	1	0.20	10.0	100	ug/L	EPA 6010B
Iron	244 J	1	20	50	300	ug/L	EPA 6010B
Manganese	31.8 J	1	1.4	10.0	50	ug/L	EPA 6010B
Selenium	2.1 J	1	2.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-SW3 — **Lab ID: C703504-03**

Analyte	Results/Qual	DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	2.2 J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	33.9 J	1	0.20	10.0	100	ug/L	EPA 6010B
Chromium	5.6 J	1	2.0	10.0	10	ug/L	EPA 6010B
Cobalt	2.6 J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	2.00 J	1	0.60	10.0	10	ug/L	EPA 6010B
Iron	964	1	20	50	300	ug/L	EPA 6010B
Manganese	36.3 J	1	1.4	10.0	50	ug/L	EPA 6010B
Nickel	2.0 J	1	2.0	10.0	50	ug/L	EPA 6010B
Selenium	3.0 J	1	2.0	10.0	10	ug/L	EPA 6010B
Silver	2.5 J	1	2.0	10.0	10	ug/L	EPA 6010B
Vanadium	5.3 J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	1.3 J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-SW4 — **Lab ID: C703504-04**

Analyte	Results/Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	20.6 J	1	0.20	10.0	100	ug/L	EPA 6010B
Iron	360	1	20	50	300	ug/L	EPA 6010B
Manganese	37.8 J	1	1.4	10.0	50	ug/L	EPA 6010B
Selenium	3.4 J	1	2.0	10.0	10	ug/L	EPA 6010B

Client ID: 5503-SW5 — **Lab ID: C703504-05**

Analyte	Results/Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	421	1	0.20	10.0	100	ug/L	EPA 6010B
Beryllium	1.90	1	0.70	1.00	1	ug/L	EPA 6010B
Cobalt	116	1	2.0	10.0	10	ug/L	EPA 6010B
Iron	168000	1	20	50	300	ug/L	EPA 6010B
Lead	11.3	1	2.0	10.0	10	ug/L	EPA 6010B
Manganese	3340	1	1.4	10.0	50	ug/L	EPA 6010B
Thallium	0.760 J	1	0.044	0.050	5.5	ug/L	EPA 6020
Zinc	25.3	1	1.0	10.0	10	ug/L	EPA 6010B

ANALYTICAL REPORT

Sample ID:	5503-SW1	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-01	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-SW1	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-01	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	123 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	91 %	69-111
Toluene-d8	2037-26-5	54	50.0	108 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-SW1
Lab #: C703504-01

Project: Lincoln County LF - Surface Waters
Work Order #: C703504
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**47.8** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	**2.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**1830**	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**460**	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	**5.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	**0.061** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**6.5** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID:	5503-SW2	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-02	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-SW2	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-02	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	89 %	69-111
Toluene-d8	2037-26-5	53	50.0	105 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-SW2
Lab #: C703504-02

Project: Lincoln County LF - Surface Waters
Work Order #: C703504
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**20.2** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**244** J	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**31.8** J	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	**2.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID:	5503-SW3	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-03	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-SW3	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-03	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	129 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	91 %	69-111
Toluene-d8	2037-26-5	54	50.0	108 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-SW3
Lab #: C703504-03

Project: Lincoln County LF - Surface Waters
Work Order #: C703504
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	**2.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**33.9** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	**5.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	**2.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	**2.00** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**964**	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**36.3** J	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	**2.0** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	**3.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	**2.5** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	**5.3** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**1.3** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID:	5503-SW4	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-04	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	5503-SW4	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-04	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	124 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

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ANALYTICAL REPORT

Sample ID: 5503-SW4
Lab #: C703504-04

Project: Lincoln County LF - Surface Waters
Work Order #: C703504
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**20.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**360**	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**37.8** J	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	**3.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

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ANALYTICAL REPORT

Sample ID:	5503-SW5	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-05	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	5503-SW5	Project:	Lincoln County LF - Surface Waters
Lab #:	C703504-05	Work Order #:	C703504
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D17024		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	130 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	55	50.0	109 %	85-120

ANALYTICAL REPORT

Sample ID: 5503-SW5
Lab #: C703504-05

Project: Lincoln County LF - Surface Waters
Work Order #: C703504
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D13018
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Barium	7440-39-3	**421**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D13004
Beryllium	7440-41-7	**1.90**	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D13004
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Cobalt	7440-48-4	**116**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Iron	7439-89-6	**168000**	1	20	50	300	ug/L	EPA 6010B	EPA 3005A	7D13004
Lead	7439-92-1	**11.3**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Manganese	7439-96-5	**3340**	1	1.4	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D13004
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004
Thallium	7440-28-0	**0.760** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D13018
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D13004
Zinc	7440-66-6	**25.3**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D13004

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7D17024 - EPA 5030B_MS

Blank (7D17024-BLK1) Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 03:48

Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D17024 - EPA 5030B_MS										
Blank (7D17024-BLK1) Continued				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 03:48						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D17024-BS1)				Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 04:14						
Benzene	20	1.0	ug/L	20.0		100	76-116			
Trichloroethene	21	1.0	ug/L	20.0		106	81-118			
Chlorobenzene	21	1.0	ug/L	20.0		103	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0		94	57-141			
Toluene	19	1.0	ug/L	20.0		96	77-120			
Matrix Spike (7D17024-MS1)		**Source: C705004-11**		Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 04:40						
Benzene	20	1.0	ug/L	20.0	0.12 U	98	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118			
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	101	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0	0.14 U	93	57-141			
Toluene	19	1.0	ug/L	20.0	0.15 U	95	77-120			
Matrix Spike Dup (7D17024-MSD1)		**Source: C705004-11**		Prepared: 04/17/2007 15:32 Analyzed: 04/18/2007 05:06						
Benzene	20	1.0	ug/L	20.0	0.12 U	102	76-116	4	14	
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	106	81-118	0.8	11	
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	104	75-115	2	12	
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	91	57-141	2	12	
Toluene	19	1.0	ug/L	20.0	0.15 U	93	77-120	2	17	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13004 - EPA 3005A										
Blank (7D13004-BLK1)				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:02						
Arsenic	2.4 J	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							
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 (7D13004-BS1)				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:08						
Arsenic	1030	10.0	ug/L	1000		103	82-117			
Barium	1070	10.0	ug/L	1000		107	72-125			
Beryllium	529	1.00	ug/L	500		106	75-121			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D13004 - EPA 3005A										
LCS (7D13004-BS1) Continued				Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:08						
Cadmium	521	1.00	ug/L	500		104	72-120			
Chromium	1030	10.0	ug/L	1000		103	78-119			
Cobalt	1020	10.0	ug/L	1000		102	76-117			
Copper	508	10.0	ug/L	500		102	80-117			
Iron	10300	50	ug/L	10000		103	84-133			
Lead	1030	10.0	ug/L	1000		103	72-121			
Manganese	507	10.0	ug/L	500		101	76-123			
Nickel	1040	10.0	ug/L	1000		104	78-116			
Selenium	1050	10.0	ug/L	1000		105	82-127			
Silver	102	10.0	ug/L	100		102	80-128			
Vanadium	505	10.0	ug/L	500		101	78-117			
Zinc	1040	10.0	ug/L	1000		104	80-120			
Matrix Spike (7D13004-MS1)		**Source: C703502-01**		Prepared: 04/13/2007 09:10 Analyzed: 04/18/2007 10:24						
Arsenic	1100	10.0	ug/L	1000	2.0 U	110	64-126			
Barium	1190	10.0	ug/L	1000	44.1	115	74-119			
Beryllium	567	1.00	ug/L	500	0.70 U	113	70-131			
Cadmium	558	1.00	ug/L	500	0.50 U	112	68-121			
Chromium	1100	10.0	ug/L	1000	2.0 U	110	73-120			
Cobalt	1100	10.0	ug/L	1000	2.0 U	110	76-120			
Copper	540	10.0	ug/L	500	0.60 U	108	75-123			
Iron	11400	50	ug/L	10000	211	111	48-144			
Lead	1110	10.0	ug/L	1000	2.0 U	111	68-126			
Manganese	575	10.0	ug/L	500	28.9	109	55-146			
Nickel	1120	10.0	ug/L	1000	2.0 U	112	64-126			
Selenium	1120	10.0	ug/L	1000	2.0 U	112	65-129			
Silver	108	10.0	ug/L	100	2.0 U	108	69-121			
Vanadium	539	10.0	ug/L	500	1.0 U	108	71-130			
Zinc	1120	10.0	ug/L	1000	1.0 U	112	63-131			
Batch 7D13018 - EPA 3005A										
Blank (7D13018-BLK1)				Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:28						
Antimony	0.58 U	2.00	ug/L							
Thallium	0.044 U	0.050	ug/L							
LCS (7D13018-BS1)				Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:30						
Antimony	55.0	2.00	ug/L	50.0		110	80-120			
Thallium	51.8	0.050	ug/L	50.0		104	80-120			
Matrix Spike (7D13018-MS1)		**Source: C703504-01**		Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:35						
Antimony	53.9	2.00	ug/L	50.0	0.58 U	108	70-130			
Thallium	50.7	0.050	ug/L	50.0	0.0610	101	70-130			
Matrix Spike Dup (7D13018-MSD1)		**Source: C703504-01**		Prepared: 04/13/2007 11:35 Analyzed: 04/16/2007 18:37						
Antimony	60.1	2.00	ug/L	50.0	0.58 U	120	70-130	11	20	
Thallium	54.9	0.050	ug/L	50.0	0.0610	110	70-130	8	20	
Batch 7D16006 - EPA 7470A										
Blank (7D16006-BLK1)				Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:16						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D16006 - EPA 7470A										
Blank (7D16006-BLK1) Continued				Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:16						
Mercury	0.11 U	0.20	ug/L							
LCS (7D16006-BS1)				Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:23						
Mercury	4.59	0.20	ug/L	5.00		92	87-123			
Matrix Spike (7D16006-MS1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:28						
Mercury	4.44	0.20	ug/L	5.00	0.11 U	89	63-132			
Matrix Spike Dup (7D16006-MSD1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:31						
Mercury	4.30	0.20	ug/L	5.00	0.11 U	86	63-132	3	10	
Post Spike (7D16006-PS1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:36						
Mercury	4.19 QM-08	0.20	ug/L	5.00	0.11	82	85-115			QM-08

NOTES AND DEFINITIONS

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Iron Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Manganese Total EPA 6010B	Water	NC	591
Mercury Total EPA 7470A	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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1015 Passport Way
Cary, NC 27513
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Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: P.O. Box 7668	Project Name/Desc: Lincoln County LF - Surface Waters
City/ST/Zip: Charlotte, NC 28241-7668	PO # / Billing Info: 43420
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Steelman	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

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
X Standard
___ Expedited
Due ___/___/___

Lab Workorder: C703504

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	4/11/07	1100	G	Water	4	X	X									
	5503-SW2		1205	G	Water	4	X	X									
	5503-SW3		1215	G	Water	4	X	X									
	5503-SW4		1030	G	Water	4	X	X									
	5503-SW5		1040	G	Water	4	X	X									
	~~EXTRA~~				~~Water~~	~~4~~	X	X									
						20	<-- Total # of Containers										

Sample Kit Prepared By: CARY	Date/Time: 3/21/07 0800	Relinquished By:	Date/Time: 1600 04/11/07	Received By: BJD	Date/Time: 4/12/07 10:40
Comments		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: 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.

The total number of pages in this report, including this page is 1.

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

Client Name: S&ME, Inc. (SM002)	Project Number: 1356-07-004
Address: P.O. Box 7668	Project Name/Desc: Lincoln County LF - Surface Waters
City/ST/Zip: Charlotte, NC 28241-7668	PO # / Billing Info: 43420
Tel: (704) 523-4726 / Fax: (704) 525-3953	Reporting Contact: Courtney Withers
Sampler(s) Name, Affiliation (Print): Tom Stelman	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required)

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

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: C703504

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	04/11/07	1100	G	Water	4	X	X	
	5503-SW2		1205	G	Water	4	X	X	
	5503-SW3		1215	G	Water	4	X	X	
	5503-SW4		1030	G	Water	4	X	X	
	5503-SW5		1040	G	Water	4	X	X	
	~~EXTRA~~				~~Water~~	~~4~~	X	X	
						20	<-- Total # of Containers		

Preservation (See Codes) (Combine as necessary)

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	3/21/07 0800		1600 04/11/07	BSD	4/12/07 10:40
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

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

Thursday, August 2, 2007

S&ME, Inc. (SM002)

Attn: Courtney Withers

9751 Southern Pine Blvd.

Charlotte, NC 28273

RE: Laboratory Results for
Project Number: 1354-97-285G, Project Name/Desc: Lincoln County LF - App Is
ENCO Workorder: C711028

Dear Courtney Withers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, July 26, 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.

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 9.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5503-MW35A	Lab ID: C711028-01	Sampled: 07/25/07 07:37	Received: 07/26/07 12:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	08/08/07	07/31/07 13:57	8/1/2007 14:18

SAMPLE DETECTION SUMMARY

No positive results detected.

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ANALYTICAL RESULTS

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

Lab Sample ID: C711028-01
Sampled: 07/25/07 07:37
Sampled By:

Received: 07/26/07 12:00
Work Order: C711028

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

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

Lab Sample ID: C711028-01
Sampled: 07/25/07 07:37
Sampled By:

Received: 07/26/07 12:00
Work Order: C711028

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	4	EPA 8260B	08/01/07 14:18	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*81 %*	*67-125*	*7G31025*	*EPA 8260B*	*08/01/07 14:18*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*69-111*	*7G31025*	*EPA 8260B*	*08/01/07 14:18*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*85-120*	*7G31025*	*EPA 8260B*	*08/01/07 14:18*	*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 7G31025 - EPA 5030B_MS

Blank (7G31025-BLK1) Prepared: 07/31/2007 13:57 Analyzed: 08/01/2007 05:56

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	0.40	ug/L							
cis-1,3-Dichloropropene	0.16	U	0.20	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	*46*			*ug/L*	*50.0*		*91*	*69-111*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7G31025 - EPA 5030B_MS

Blank (7G31025-BLK1) Continued Prepared: 07/31/2007 13:57 Analyzed: 08/01/2007 05:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*93*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*85*	*67-125*			

LCS (7G31025-BS1) Prepared: 07/31/2007 13:57 Analyzed: 08/01/2007 06:22

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		73	57-141			
Benzene	22		1.0	ug/L	20.0		112	76-116			
Trichloroethene	23		1.0	ug/L	20.0		113	81-118			
Toluene	20		1.0	ug/L	20.0		98	77-120			
Chlorobenzene	19		1.0	ug/L	20.0		97	75-115			

Matrix Spike (7G31025-MS1) Prepared: 07/31/2007 13:57 Analyzed: 08/01/2007 06:48

Source: C711084-06

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	66	57-141			
Benzene	21		1.0	ug/L	20.0	0.12 U	106	76-116			
Trichloroethene	22		1.0	ug/L	20.0	0.23 U	108	81-118			
Toluene	20		1.0	ug/L	20.0	0.15 U	101	77-120			
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	105	75-115			

Matrix Spike Dup (7G31025-MSD1) Prepared: 07/31/2007 13:57 Analyzed: 08/01/2007 07:15

Source: C711084-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	14		1.0	ug/L	20.0	0.14 U	70	57-141	5	12	
Benzene	22		1.0	ug/L	20.0	0.12 U	110	76-116	4	14	
Trichloroethene	22		1.0	ug/L	20.0	0.23 U	111	81-118	4	11	
Toluene	20		1.0	ug/L	20.0	0.15 U	102	77-120	1	17	
Chlorobenzene	22		1.0	ug/L	20.0	0.16 U	109	75-115	4	12	

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.

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

Client Name: STME	Project Number: 1354-97-2856
Address: 9757 Southern Pine Blvd	Project Name/Desc: Lincoln Co. Landfill
City/ST/Zip: Charlotte, NC 28273	PO # / Billing Info: 44309
Tel: 704-523-4726 / Fax: 704-525-3953	Reporting Contact: Countney Whitens
Sampler(s) Name, Affiliation (Print): Tom Steel	Billing Contact:
Sampler(s) Signature:	Facility # (if required): 5503

Requested Analyses: APP 1 VOCs

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

__ Expedited

Due __/__/__

Lab Workorder: C711028

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	HCL										Sample Comments
	5503-MW-35A	07/25/07	0737	G	GW	3	X										
						3	<-- Total # of Containers										

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 07/25/07 0900	Received By	Date/Time
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: Briana Gregory	Date/Time 7/26/07 12:00
		Cooler #'s & Temps on Receipt: Client Cooler 1.2°C		Condition Upon Receipt: X Acceptable __ Unacceptable	

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

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

ENVIRONMENTAL CONSERVATION LABORATORIES, INC.
TERMS AND CONDITIONS

When a Client places an Order for any work to be done by Environmental Conservation Laboratories, Inc. ("ENCO"), the Order constitutes an acceptance by the Client of ENCO's offer to do business under these Terms and Conditions, and an agreement to be bound by these Terms and Conditions. No contrary or additional terms and conditions expressed in a Client's document shall be deemed to become a part of the contract created upon acceptance of these Terms and Conditions, unless accepted by ENCO in writing. A written agreement signed by both ENCO and Client may supersede some or all of these Terms and Conditions.

1. Orders, Samples, Services

The Client may place an Order by specifying a Scope of Work in writing or by telephone subsequently confirmed in writing. The Order shall not be valid unless it contains sufficient specification to enable ENCO, in its sole discretion, to carry out the Client's requirements. Samples must be accompanied by: a) adequate instruction on type of analysis requested and b) complete written disclosure of the known or suspected presence of any hazardous substances, as defined by applicable federal or state law. If any samples not accompanied by adequate disclosure cause interruption in ENCO's ability to process work due to contamination, the Client will be responsible for all costs associated with the contamination, including, but not limited to, clean-up and restoration of equipment and premises, and costs associated with ENCO's business interruption. All turnaround times must be mutually agreed upon and will be calculated from Sample Delivery Acceptance, which is the point in time when ENCO has determined that it can proceed with the defined work following receipt, inspection of samples, and resolution of any discrepancies in Chain of Custody forms and project guidance regarding work to be done. Sample delivery alone does not constitute acceptance by ENCO. Prior to Sample Delivery Acceptance at ENCO, the entire risk of loss of or damage to samples remains with the Client. In no event will ENCO have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from ENCO's premises. Client is responsible to ensure that sample shipments comply with all applicable material shipping and labeling laws and regulations. ENCO reserves the right to refuse or revoke Sample Delivery Acceptance for any sample which in ENCO's sole discretion: a) may pose a risk in handling, transport or processing; b) is of insufficient volume; or c) holding times cannot be met. Unless otherwise specified by the Client and agreed to in writing by ENCO, sample materials will be held for 30 days following the date of the invoice for the work. After thirty days, any remaining materials will, in ENCO's sole discretion, be returned to the Client at the Client's expense or disposed of by ENCO.

2. Payment Terms

Services performed by ENCO will be in accordance with prices quoted and later confirmed in writing or as stated in the most recent Price List. Prices are subject to change periodically without notice. The prices quoted or stated in the Price List do not include any sales, use or other taxes unless specifically stated. All payment shall be made in currency of the United States of America. Checks drawn on foreign banking institutions are not accepted. Payment in advance is required for all Clients except those whose credit has been established with ENCO. For Clients with approved credit, payment terms are net 30 days from the date of invoicing by ENCO. All late payments are subject to an additional interest and service charge of one and one-half percent (1.5%) (or the maximum rate permissible by law, whichever is less) per month or portion thereof from the due date until the date of payment. All fees are the responsibility of the Client. ENCO will not bill a third party without a statement signed by the third party that acknowledges and accepts payment responsibility. Client remains responsible for payment of services billed to a third party. ENCO may suspend work and withhold delivery of data at any time in the event: a) Client fails to make timely payment of any of its invoices; or b) ENCO receives an unfavorable credit report on Client. Client shall be responsible for all costs and expenses of collection, including reasonable attorneys' fees. Client is responsible for work done prior to suspension of work.

3. Change Orders, Termination

Changes to the Scope of Work, price or result delivery date may be initiated by ENCO after Sample Delivery Acceptance due to any condition which conflicts with analytical or other protocols warranted in these Terms and Conditions. Changes to the Scope of Work may be initiated by the Client after Sample Delivery Acceptance. Such a change must be documented in writing and may result in a change in cost and turnaround time commitment. ENCO may in its sole discretion refuse to accept such changes, and ENCO's acceptance of such changes is contingent upon technical feasibility and operational capacity. Suspension or termination of all or any part of the work may be initiated by the Client. ENCO will complete all work in progress and Client is responsible for payment in full pursuant to these Terms and Conditions for all work completed.

4. Warranties, Liabilities, and Indemnification

Where applicable, ENCO will use analytical methodologies which are in substantial conformity with published test methods. ENCO has implemented these methods in its Laboratory Quality Manuals and referenced Standard Operating Procedures. Where, in ENCO's sole discretion, the nature or composition of the samples requires it, ENCO reserves the right to deviate from these methodologies to the extent necessary or appropriate, in ENCO's sole discretion. Client may request that ENCO perform according to a mutually agreed written Quality Assurance Project Plan (QAPP). In the event that samples arrive prior to agreement on a QAPP, ENCO will proceed with analyses under its standard Quality Manuals then in effect, and ENCO will not be responsible for any resampling or other charges if work must be repeated to comply with a subsequently finalized QAPP. ENCO shall start preparation and/or analysis within method-specified holding times provided that Sample Delivery Acceptance occurs within 48 hours of sampling or within ½ of the holding time for the test, whichever is less. Where resolution of inconsistencies leading to Sample Delivery Acceptance does not occur within this period, ENCO will use its best efforts to meet holding times and will proceed with the work provided that, in ENCO's judgment, the chain of custody or definition of the Scope of Work provide sufficient guidance. Reanalysis of samples to comply with ENCO's Quality Manuals will be deemed to have met holding times provided the initial analysis was performed within the applicable holding time. Where reanalysis demonstrates that sample matrix interference is the cause of failure to meet any Quality Manual requirements, the warranty will be deemed to have been met. These warranty obligations are the sole and exclusive warranties given by ENCO in connection with any services performed by ENCO or any Results generated from such services, and ENCO gives and makes **NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED.** No representative of ENCO is authorized to give or make any other representation or warranty or modify this warranty in any way. Client's sole and exclusive remedy for the breach of warranty in connection with any services performed by ENCO will be limited to repeating any services performed, contingent on the Client's providing at the request of ENCO and at the Client's expense, additional sample(s) if necessary. Any reanalysis requested by the Client generating Results consistent with the original Results will be at the Client's expense.

ENCO's liability for any and all causes of action arising out of or related to this agreement or in connection with provision of services, whether based in contract, tort, warranty, negligence or otherwise, shall be limited to the lesser amount of compensation for the service performed or $1,000. Under no circumstances, whether arising in contract, tort (including negligence), or otherwise, shall ENCO be responsible for loss of use, loss of profits, or for any special, indirect, incidental or consequential damages occasioned by the services performed or not performed or by application or use of the reports prepared. Client agrees that these limitations appropriately reflect the business risk and are not unconscionable. In no event shall ENCO have any responsibility or liability to the Client for any failure or delay in performance by ENCO which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of ENCO. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, equipment breakdown, matrix interference or unknown contaminated samples that impact instrument operation, unavailability of supplies from usual suppliers, difficulties or delays in transportation, mail or delivery services, or any other cause beyond ENCO's reasonable control. The Client hereby agrees to indemnify and defend ENCO from any and all claims by any third party arising out of or related to that party's reliance upon the Results provided by ENCO, irrespective of ENCO's negligence or its failure to comply with its warranties or other obligations hereunder. Notwithstanding the Client's duty to indemnify and defend ENCO, the Client may not unreasonably withhold ENCO's right to defend its data.

5. Results, Work Product

Data or information provided to ENCO or generated by services performed under this agreement shall become the property of Client only upon receipt in full by ENCO of payment for the entire Order. Ownership of any analytical method, QA/QC protocols, software programs or equipment developed by ENCO in performance of work will be retained by ENCO, and Client shall not disclose such information to any third party. In the event that ENCO is required to respond to legal process related to services for Client, Client agrees to reimburse ENCO for hourly charges for personnel involved in the response and attorneys' fees reasonably incurred associated with the litigation and ENCO's response.

6. Miscellaneous Provisions

These Terms and Conditions, together with any addition or revisions which must be agreed to in writing and signed by ENCO, represent the entire agreement between the parties and provide the only remedies available. These Terms and Conditions shall supersede any previous communication, representations or agreements, either verbal or written, between the Client and ENCO. The invalidity or unenforceability, in whole or in any part, of any provision, term or condition hereof shall not affect the validity or enforceability of the remainder of these terms and conditions or their interpretations. No waiver by ENCO of any provision, term or condition hereof or of any obligation of the Client shall constitute a waiver of any subsequent breach or other obligation. These Terms and Conditions and all transactions or agreements to which they apply as well as any dispute between ENCO and the Client, whatever its basis, shall be governed by the laws of the State of Florida. The Client waives any defense of personal jurisdiction or forum non conveniens (inconvenient forum) and agrees to submit to personal jurisdiction of the courts of the State of Florida. The Client hereby agrees that the sole and exclusive venue for any action filed in connection with any dispute arising between the Client and ENCO shall be in a court of competent jurisdiction in Orange County, Florida. **THE CLIENT EXPRESSLY WAIVES THE RIGHT TO TRIAL BY JURY IN ANY SUCH ACTION.**