CIVIL/SANITARY/ENVIRONMENTAL ENGINEERS

SOLID WASTE MANAGEMENT

Municipal Services

Engineering Company, P.A.

SITE PLANNING/SUBDIVISIONS

SUBSURFACE UTILITY ENGINEERING (SUE)

Fac/Perm/Co ID #	Date	Doc ID#
BC	01/04/11	DIN

May 19, 2008

Jaclynne Drummond
Solid Waste Section
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

RECEIVED
MAY 20 2008
SOLID WASTE SECTION

Re: Alexander County
Assessment of Corrective Measures

Dear Mrs. Drummond:

Included are the supplemental sample results for the Alexander County Assessment of Corrective measures, to be included as Appendix E. Feel free to contact us by phone at (919) 772-5393, should you have any questions or comments.

Sincerely,
MUNICIPAL ENGINEERING SERVICES CO., P.A.

Ethan J. Caldwell, P.G.
Professional Geologist

PO Box 97, Garner, North Carolina 27529 (919) 772-5393
PO Box 828, Morehead City, NC 28557 (252) 726-9481
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Supplemental Sample Information

Prepared for

Alexander County Landfill - Permit #02-01
Taylorsville, Alexander County, North Carolina

MESCO Project Number: G07060.0

Completed on 5/15/2008

Municipal Services Garner, NC
Engineering Company, P.A. Boone, NC

Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

1 SUPPLIMENTAL SAMPLE INFORMATION

Appendix II sampling was performed on monitoring wells MW-16, MW-24, and MW-26 on April 17, 2008. Only Appendix I constituents were detected. Detected constituent results were similar to the January 2008 results. Table E-1 summarizes detected constituents in MW-16, MW-24 and MW-26.

Monitoring wells MW-5, MW-11, MW-1B and MW-19 were sampled for Appendix I metals on April 17, 2008. Split samples were collected from these monitoring wells and analyzed for Appendix I total metals and Appendix I dissolved metals. Dissolved metal analysis was performed on laboratory filtered samples. Table E-2 summarizes detected metal constituents, with the J qualitative code excluded. Table E-3 summarizes detected metal constituents, with the J qualitative code included.

Supplemental sampling detected Barium, Chromium, Cobalt, Copper and Zinc at quantifiable levels. Sample results did not exceed NCAC 2L levels for any of the detected constituents. Uniquely, dissolved Chromium in MW-19 and dissolved Zinc in MW-1B exceeded their total concentrations. Based on sample results, it appears that total metals and dissolved metals are essentially equal, indicating a fully developed well and care to limit total suspended solids while sampling.

Interwell statistical analysis could not be performed due to the hydrogeology. There is no true un-impacted up-gradient background well. Intrawell analysis performed on detected metals did not identify any statistically significant results. As reported, Barium, Chromium, Cobalt, Copper and Zinc have been detected in surface water samples, multiple monitoring wells, background samples, and NURE sediment samples. It has been identified that the primary source of impact is from landfill gas migration. Typically metals have a limited occurrence in landfill gas. Based on sample results, natural occurrence of metals and the identified source of impact inorganic Appendix I metals are currently not constituents of concern.

Respectfully submitted,
MUNICIPAL ENGINEERING SERVICES COMPANY, P.A.

Ethan J. Caldwell, P.G.
Professional Geologist

Table E-1: Supplemental Sample Data

Well ID	Parameter Name[1]	Sample Date	Result	Unit	Qual Code	PQL[2]	NCGW2L[3]	2L Exceedance
MW-16	1,1-Dichloroethane	04/17/2008	15	ug/L		0.090	70	
MW-16	**1,2-Dichloropropane**	**04/17/2008**	**1**	**ug/L**		**0.18**	**0.51**	**0.49**
MW-16	**1,4-Dichlorobenzene**	**04/17/2008**	**1.6**	**ug/L**		**0.15**	**1.4**	**0.2**
MW-16	Barium	04/17/2008	66.4	ug/L	J	0.20	2000	
MW-16	**Benzene**	**04/17/2008**	**3.6**	**ug/L**		**0.12**	**1**	**2.6**
MW-16	Chloride	04/17/2008	1700	ug/L	J	480	250000	
MW-16	cis-1,2-Dichloroethene	04/17/2008	12	ug/L		0.14	70	
MW-16	Cobalt	04/17/2008	13.3	ug/L		2.0	70[4]	
MW-16	Copper	04/17/2008	4	ug/L	J	0.60	1000	
MW-16	Lead	04/17/2008	2.4	ug/L	J	2.0	15	
MW-16	Mercury	04/17/2008	0.41	ug/L		0.11	1.1	
MW-16	Methylene chloride	04/17/2008	3.8	ug/L		0.088	4.6	
MW-16	Nickel	04/17/2008	7.8	ug/L	J	2.0	100	
MW-16	**Tetrachloroethene**	**04/17/2008**	**3.3**	**ug/L**		**0.25**	**0.7**	**2.6**
MW-16	Thallium	04/17/2008	0.12	ug/L	J	0.036	0.28[4]	
MW-16	**Trichloroethene**	**04/17/2008**	**3.6**	**ug/L**		**0.23**	**2.8**	**0.8**
MW-16	Xylenes	04/17/2008	2.6	ug/L	J	0.21	530	
MW-16	Zinc	04/17/2008	14.7	ug/L		1.0	1050	
MW-24	1,1-Dichloroethane	04/17/2008	1.2	ug/L	J	0.090	70	
MW-24	**1,4-Dichlorobenzene**	**04/17/2008**	**2.5**	**ug/L**		**0.15**	**1.4**	**1.1**
MW-24	Barium	04/17/2008	90.6	ug/L	J	0.20	2000	
MW-24	**Benzene**	**04/17/2008**	**1.3**	**ug/L**		**0.12**	**1**	**0.3**
MW-24	Chlorobenzene	04/17/2008	0.58	ug/L	J	0.16	50	
MW-24	cis-1,2-Dichloroethene	04/17/2008	7.2	ug/L		0.14	70	
MW-24	Cobalt	04/17/2008	38.1	ug/L		2.0	70[4]	
MW-24	Mercury	04/17/2008	0.13	ug/L	J	0.11	1.1	
MW-24	Nickel	04/17/2008	4.5	ug/L	J	2.0	100	
MW-24	Zinc	04/17/2008	12.3	ug/L		1.0	1050	
MW-26	1,1-Dichloroethane	04/17/2008	1.6	ug/L	J	0.090	70	
MW-26	**1,4-Dichlorobenzene**	**04/17/2008**	**3.2**	**ug/L**		**0.15**	**1.4**	**1.8**
MW-26	Barium	04/17/2008	105	ug/L		0.20	2000	
MW-26	**Benzene**	**04/17/2008**	**1.6**	**ug/L**		**0.12**	**1**	**0.6**
MW-26	Chlorobenzene	04/17/2008	0.81	ug/L	J	0.16	50	
MW-26	Chloroethane	04/17/2008	1.5	ug/L	J	0.40	2800	
MW-26	cis-1,2-Dichloroethene	04/17/2008	26	ug/L		0.14	70	
MW-26	Cobalt	04/17/2008	85.2	ug/L		2.0	70[4]	
MW-26	Lead	04/17/2008	2.7	ug/L	J	2.0	15	
MW-26	Nickel	04/17/2008	20.7	ug/L	J	2.0	100	
MW-26	Tetrachloroethene	04/17/2008	0.48	ug/L	J	0.25	0.7	
MW-26	Thallium	04/17/2008	0.114	ug/L	J	0.036	0.28[4]	
MW-26	Trichloroethene	04/17/2008	0.43	ug/L	J	0.23	2.8	
MW-26	Zinc	04/17/2008	38.4	ug/L		1.0	1050	

[1] Table only contains detected constituents.
[2] PQL = Practical Quantitation Limit
[3] NCGW2L = North Carolina Ground Water 2L Standard
[4] North Carolina Ground Protection Standard

Table E-2: Metal Analysis - Total vs. Dissolved - J data excluded

Well ID	Parameter Name[1]	Sample Date	Result	Unit	Qual Code	PQL[2]	NCGW2L[3]	2L Exceedance
MW-11	Barium	04/17/2008	116	ug/L		0.20	2000	
MW-11	Barium (Dissolved)	04/17/2008	115	ug/L	B	0.20	2000	
MW-5	Barium	04/17/2008	108	ug/L		0.20	2000	
MW-19	Chromium (Dissolved)	04/17/2008	20.3	ug/L		2.0	50	
MW-19	Chromium	04/17/2008	11.4	ug/L		2.0	50	
MW-11	Cobalt	04/17/2008	113	ug/L		2.0	70[4]	
MW-11	Cobalt (Dissolved)	04/17/2008	105	ug/L		2.0	70[4]	
MW-1B	Cobalt	04/17/2008	58	ug/L		2.0	70[4]	
MW-1B	Cobalt (Dissolved)	04/17/2008	54.9	ug/L		2.0	70[4]	
MW-5	Cobalt	04/17/2008	12.4	ug/L		2.0	70[4]	
MW-19	Copper	04/17/2008	22.3	ug/L		0.60	1000	
MW-19	Copper (Dissolved)	04/17/2008	15.7	ug/L		0.60	1000	
MW-11	Zinc	04/17/2008	32.7	ug/L		1.0	1050	
MW-11	Zinc (Dissolved)	04/17/2008	31	ug/L	B	1.0	1050	
MW-19	Zinc	04/17/2008	26.2	ug/L		1.0	1050	
MW-19	Zinc (Dissolved)	04/17/2008	15.3	ug/L	B	1.0	1050	
MW-1B	Zinc (Dissolved)	04/17/2008	16.6	ug/L	B	1.0	1050	
MW-1B	Zinc	04/17/2008	16.1	ug/L		1.0	1050	

[1] Table only contains detected constituents.
[2] PQL = Practical Quantitation Limit
[3] NCGW2L = North Carolina Ground Water 2L Standard
[4] Groundwater Protection Standard
B = Analyte was detected in the associated method blank

Cobalt > mw-11
Thallium > mw-11

metals >2L on GWPS

Table E-3: Metal Analysis - Total vs. Dissolved

Well ID	Parameter Name[1]	Sample Date	Result	Unit	Qual Code	PQL[2]	NCGW2L[3]	2L Exceedance
MW-11	Barium	04/17/2008	116	ug/L		0.20	2000	
MW-11	Barium (Dissolved)	04/17/2008	115	ug/L	B	0.20	2000	
MW-19	Barium	04/17/2008	78.1	ug/L	J	0.20	2000	
MW-19	Barium (Dissolved)	04/17/2008	67.2	ug/L	B,J	0.20	2000	
MW-1B	Barium	04/17/2008	89.6	ug/L	J	0.20	2000	
MW-1B	Barium (Dissolved)	04/17/2008	85.5	ug/L	B,J	0.20	2000	
MW-5	Barium	04/17/2008	108	ug/L		0.20	2000	
MW-5	Barium (Dissolved)	04/17/2008	98.1	ug/L	B,J	0.20	2000	
MW-19	Chromium (Dissolved)	04/17/2008	20.3	ug/L		2.0	50	
MW-19	Chromium	04/17/2008	11.4	ug/L		2.0	50	
MW-11	Cobalt	04/17/2008	113	ug/L		2.0	70[4]	
MW-11	Cobalt (Dissolved)	04/17/2008	105	ug/L		2.0	70[4]	
MW-19	Cobalt (Dissolved)	04/17/2008	2	ug/L	J	2.0	70[4]	
MW-1B	Cobalt	04/17/2008	58	ug/L		2.0	70[4]	
MW-1B	Cobalt (Dissolved)	04/17/2008	54.9	ug/L		2.0	70[4]	
MW-5	Cobalt	04/17/2008	12.4	ug/L		2.0	70[4]	
MW-5	Cobalt (Dissolved)	04/17/2008	9.3	ug/L	J	2.0	70[4]	
MW-19	Copper	04/17/2008	22.3	ug/L		0.60	1000	
MW-19	Copper (Dissolved)	04/17/2008	15.7	ug/L		0.60	1000	
MW-1B	Copper (Dissolved)	04/17/2008	1.4	ug/L	J	0.60	1000	
MW-1B	Copper	04/17/2008	1	ug/L	J	0.60	1000	
MW-19	Lead (Dissolved)	04/17/2008	4.8	ug/L	J	2.0	15	
MW-19	Lead	04/17/2008	4.5	ug/L	J	2.0	15	
MW-1B	Lead (Dissolved)	04/17/2008	2.3	ug/L	J	2.0	15	
MW-5	Lead (Dissolved)	04/17/2008	2.3	ug/L	J	2.0	15	
MW-11	Nickel (Dissolved)	04/17/2008	14.9	ug/L	J	2.0	100	
MW-11	Nickel	04/17/2008	14.6	ug/L	J	2.0	100	
MW-19	Nickel (Dissolved)	04/17/2008	21.3	ug/L	J	2.0	100	
MW-19	Nickel	04/17/2008	9.5	ug/L	J	2.0	100	
MW-1B	Nickel (Dissolved)	04/17/2008	7.8	ug/L	J	2.0	100	
MW-1B	Nickel	04/17/2008	6.8	ug/L	J	2.0	100	
MW-11	Thallium (Dissolved)	04/17/2008	0.302	ug/L	J	0.036	0.28[4]	
MW-11	Thallium	04/17/2008	0.195	ug/L	J	0.036	0.28[4]	
MW-19	Thallium (Dissolved)	04/17/2008	0.073	ug/L	J	0.036	0.28[4]	
MW-19	Thallium	04/17/2008	0.043	ug/L	J	0.036	0.28[4]	
MW-1B	Thallium (Dissolved)	04/17/2008	0.121	ug/L	J	0.036	0.28[4]	
MW-1B	Thallium	04/17/2008	0.06	ug/L	J	0.036	0.28[4]	
MW-19	Vanadium	04/17/2008	13	ug/L	J	1.0	3.5[4]	
MW-19	Vanadium (Dissolved)	04/17/2008	12.1	ug/L	J	1.0	3.5[4]	
MW-11	Zinc	04/17/2008	32.7	ug/L		1.0	1050	
MW-11	Zinc (Dissolved)	04/17/2008	31	ug/L	B	1.0	1050	
MW-19	Zinc	04/17/2008	26.2	ug/L		1.0	1050	
MW-19	Zinc (Dissolved)	04/17/2008	15.3	ug/L	B	1.0	1050	
MW-1B	Zinc (Dissolved)	04/17/2008	16.6	ug/L	B	1.0	1050	
MW-1B	Zinc	04/17/2008	16.1	ug/L		1.0	1050	
MW-5	Zinc (Dissolved)	04/17/2008	2.6	ug/L	JB	1.0	1050	
MW-5	Zinc	04/17/2008	1.7	ug/L	J	1.0	1050	

[1] Table only contains detected constituents.

[2] PQL = Practical Quantitation Limit

[3] NCGW2L = North Carolina Ground Water 2L Standard

[4] Groundwater Protection Standard

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-5

Parameter: Barium, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 27.5862%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 29
Maximum Baseline Concentration = 3490
Confidence Level = 96.7%
False Positive Rate = 3.3%

Baseline Samples	Date	Result
	10/1/1994	3490
	1/31/1995	1980
	2/15/1995	1450
	3/7/1995	1820
	12/7/1995	ND<500
	5/6/1996	ND<500
	11/11/1996	1600
	6/24/1997	180
	12/3/1997	720
	6/4/1998	1800
	11/18/1998	2800
	5/13/1999	320
	12/6/1999	94
	5/17/2000	380
	12/11/2000	310
	6/13/2001	320
	12/27/2001	190
	6/13/2002	220
	1/2/2003	150
	6/24/2003	140
	12/12/2003	ND<500
	6/15/2004	ND<500
	12/29/2004	ND<500
	6/22/2005	ND<500
	1/12/2006	ND<500
	7/7/2006	ND<500
	12/14/2006	70.8
	6/27/2007	59
	12/19/2007	102

Date	Samples	Mean	Impacted
4/17/2008	2	103.05	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-11

Parameter: Barium, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 40%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 1000
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	12/11/2000	830
	6/12/2001	700
	12/27/2001	1000
	6/13/2002	530
	1/3/2003	120
	6/24/2003	150
	12/11/2003	ND<500
	6/15/2004	ND<500
	12/29/2004	ND<500
	6/22/2005	ND<500
	1/12/2006	ND<500
	7/7/2006	ND<500
	12/14/2006	107
	6/27/2007	104
	12/27/2007	304

Date	Samples	Mean	Impacted
4/17/2008	2	115.5	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-19

Parameter: Chromium, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 6.66667%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 20.3
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	1/8/2008	ND<2
	4/17/2008	20.3
	4/17/2008	11.4

Date	Samples	Mean	Impacted
4/17/2008	2	15.85	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-11

Parameter: Cobalt, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 340
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	12/11/2000	340
	6/12/2001	130
	12/27/2001	140
	6/13/2002	120
	1/3/2003	140
	6/24/2003	160
	12/11/2003	120
	6/15/2004	120
	12/29/2004	120
	6/22/2005	110
	1/12/2006	100
	7/7/2006	110
	12/14/2006	117
	6/27/2007	98.9
	12/27/2007	107

Date	Samples	Mean	Impacted
4/17/2008	2	109	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-1B

Parameter: Cobalt, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 120
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	6/25/2003	29
	12/11/2003	38
	6/16/2004	51
	12/30/2004	120
	6/23/2005	67
	1/13/2006	60
	7/6/2006	65.1
	12/15/2006	69.8
	6/28/2007	42.6
	12/28/2007	59.7
	4/17/2008	54.9
	4/17/2008	58

Date	Samples	Mean	Impacted
4/17/2008	2	56.45	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-5

Parameter: Cobalt, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 1400
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	10/1/1994	900
	1/31/1995	496
	2/15/1995	454
	3/7/1995	320
	12/7/1995	88
	5/6/1996	157
	11/11/1996	76
	6/24/1997	36
	12/3/1997	350
	6/4/1998	1400
	11/18/1998	850
	5/13/1999	81
	12/6/1999	16
	5/17/2000	64
	12/11/2000	71

Date	Samples	Mean	Impacted
4/17/2008	2	10.85	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-19

Parameter: Copper

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 22.3
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	1/8/2008	4.2
	4/17/2008	15.7
	4/17/2008	22.3

Date	Samples	Mean	Impacted
4/17/2008	2	19	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-19

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 26.2
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	1/8/2008	3.8
	4/17/2008	26.2
	4/17/2008	15.3

Date	Samples	Mean	Impacted
4/17/2008	2	20.75	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-11

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 26.6667%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 560
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	12/11/2000	560
	6/12/2001	410
	12/27/2001	250
	6/13/2002	190
	1/3/2003	62
	6/24/2003	93
	12/11/2003	70
	6/15/2004	98
	12/29/2004	ND<50
	6/22/2005	ND<50
	1/12/2006	ND<50
	7/7/2006	ND<50
	12/14/2006	32.5
	6/27/2007	40.7
	12/27/2007	246

Date	Samples	Mean	Impacted
4/17/2008	2	31.85	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-1B

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 33.3333%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 150
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	6/25/2003	23
	12/11/2003	150
	6/16/2004	ND<50
	12/30/2004	ND<50
	6/23/2005	ND<50
	1/13/2006	ND<50
	7/6/2006	ND<50
	12/15/2006	15.1
	6/28/2007	28.9
	12/28/2007	22.5
	4/17/2008	16.1
	4/17/2008	16.6

Date	Samples	Mean	Impacted
4/17/2008	2	16.35	FALSE

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

www.encolabs.com

Wednesday, April 30, 2008

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G07003.0, Project Name/Desc: Alexander Co. Closed C&D
ENCO Workorder: C804069

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 18, 2008.

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

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

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

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

Sincerely,

Chuck Smith

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 66.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-16 MS/MSD | **Lab ID: C804069-01** | **Sampled: 04/17/08 11:30** | **Received: 04/18/08 11:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 376.2	04/24/08		04/21/08	14:08	4/21/2008 14:08
EPA 6010B	10/14/08		04/21/08	07:27	4/23/2008 11:37
EPA 6020	10/14/08		04/21/08	07:34	4/24/2008 14:38
EPA 7470A	05/15/08		04/22/08	09:33	4/23/2008 16:27
EPA 8081A	04/24/08	06/01/08	04/22/08	07:26	4/23/2008 13:40
EPA 8082	04/17/09	04/22/09	04/22/08	07:26	4/23/2008 13:40
EPA 8151A	04/24/08	06/01/08	04/22/08	11:14	4/25/2008 06:15
EPA 8260B	05/01/08		04/23/08	13:42	4/24/2008 04:09
EPA 8270C	04/24/08	05/31/08	04/21/08	17:30	4/23/2008 19:19
SM4500-Cl/E	05/15/08		04/23/08	11:03	4/23/2008 14:39

Client ID: MW-16 MS/MSD | **Lab ID: C804069-01RE1** | **Sampled: 04/17/08 11:30** | **Received: 04/18/08 11:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 9014	05/01/08	04/22/08 14:03	4/24/2008 10:58

Client ID: MW-24 | **Lab ID: C804069-02** | **Sampled: 04/17/08 08:30** | **Received: 04/18/08 11:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 376.2	04/24/08		04/21/08	14:08	4/21/2008 14:08
EPA 6010B	10/14/08		04/21/08	07:27	4/23/2008 12:00
EPA 6020	10/14/08		04/21/08	07:34	4/24/2008 14:52
EPA 7470A	05/15/08		04/22/08	09:33	4/23/2008 17:28
EPA 8081A	04/24/08	06/01/08	04/22/08	07:26	4/23/2008 15:15
EPA 8082	04/17/09	04/22/09	04/22/08	07:26	4/23/2008 15:15
EPA 8151A	04/24/08	06/01/08	04/22/08	11:14	4/25/2008 15:08
EPA 8260B	05/01/08		04/21/08	09:52	4/22/2008 14:12
EPA 8270C	04/24/08	05/31/08	04/21/08	17:30	4/23/2008 19:46

Client ID: MW-24 | **Lab ID: C804069-02RE1** | **Sampled: 04/17/08 08:30** | **Received: 04/18/08 11:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 9014	05/01/08	04/22/08 14:03	4/24/2008 11:04

Client ID: MW-26 | **Lab ID: C804069-03** | **Sampled: 04/17/08 10:00** | **Received: 04/18/08 11:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 376.2	04/24/08		04/21/08	14:08	4/21/2008 14:08
EPA 6010B	10/14/08		04/21/08	07:27	4/23/2008 12:07
EPA 6020	10/14/08		04/21/08	07:34	4/24/2008 14:55
EPA 7470A	05/15/08		04/22/08	09:33	4/23/2008 17:31
EPA 8081A	04/24/08	06/01/08	04/22/08	07:26	4/23/2008 15:40
EPA 8082	04/17/09	04/22/09	04/22/08	07:26	4/23/2008 15:40
EPA 8151A	04/24/08	06/01/08	04/22/08	11:14	4/25/2008 15:40
EPA 8260B	05/01/08		04/21/08	09:52	4/22/2008 14:41
EPA 8270C	04/24/08	05/31/08	04/21/08	17:30	4/23/2008 20:14

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Client ID: MW-26	Lab ID: C804069-03RE1	Sampled: 04/17/08 10:00	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 9014	05/01/08	04/22/08 14:03	4/24/2008 11:06

Client ID: MW-11	Lab ID: C804069-04	Sampled: 04/17/08 12:10	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:14
EPA 6010B	10/14/08	04/24/08 07:14	4/28/2008 14:46
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 14:57
EPA 6020	10/14/08	04/24/08 07:17	4/28/2008 11:49

Client ID: MW-5	Lab ID: C804069-05	Sampled: 04/17/08 13:00	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:21
EPA 6010B	10/14/08	04/24/08 07:14	4/28/2008 15:07
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 15:09
EPA 6020	10/14/08	04/24/08 07:17	4/28/2008 11:41

Client ID: MW-1B	Lab ID: C804069-06	Sampled: 04/17/08 13:40	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:28
EPA 6010B	10/14/08	04/24/08 07:14	4/28/2008 15:30
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 15:11
EPA 6020	10/14/08	04/24/08 07:17	4/28/2008 11:52

Client ID: MW-19	Lab ID: C804069-07	Sampled: 04/17/08 14:40	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:51
EPA 6010B	10/14/08	04/24/08 07:14	4/28/2008 15:37
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 15:14
EPA 6020	10/14/08	04/24/08 07:17	4/28/2008 11:54

Client ID: TB	Lab ID: C804069-10	Sampled: 04/17/08 00:00	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	05/01/08	04/22/08 12:57	4/22/2008 21:29

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-16 MS/MSD **Lab ID: C804069-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	15		1	0.090	1.0	5	ug/L	EPA 8260B	
1,2-Dichloropropane	1.0		1	0.18	1.0	1	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.6		1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	66.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	3.6		1	0.12	1.0	1	ug/L	EPA 8260B	
Chloride	1700	J	1	480	5000	NE	ug/L	SM4500-Cl/E	
cis-1,2-Dichloroethene	12		1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	13.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	4.00	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Mercury	0.41		1	0.11	0.20	0.2	ug/L	EPA 7470A	
Methylene chloride	3.8		1	0.088	1.0	1	ug/L	EPA 8260B	
Nickel	7.8	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	3.3		1	0.25	1.0	1	ug/L	EPA 8260B	
Thallium	0.120	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Trichloroethene	3.6		1	0.23	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	2.6	J	1	0.21	1.0	5	ug/L	EPA 8260B	
Zinc	14.7		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-24 **Lab ID: C804069-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.2	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.5		1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	90.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	1.3		1	0.12	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.58	J	1	0.16	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	7.2		1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	38.1		1	2.0	10.0	10	ug/L	EPA 6010B	
Mercury	0.13	J	1	0.11	0.20	0.2	ug/L	EPA 7470A	
Nickel	4.5	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Zinc	12.3		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-26 **Lab ID: C804069-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.6	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.2		1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	105		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	1.6		1	0.12	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.81	J	1	0.16	1.0	3	ug/L	EPA 8260B	
Chloroethane	1.5	J	1	0.40	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	26		1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	85.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	2.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	20.7	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	0.48	J	1	0.25	1.0	1	ug/L	EPA 8260B	
Thallium	0.114	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Trichloroethene	0.43	J	1	0.23	1.0	1	ug/L	EPA 8260B	
Zinc	38.4		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-11							Lab ID: C804069-04		
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	115	B	1	0.20	10.0	100	ug/L	EPA 6010B	
Barium	116		1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	113		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	105		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	14.9	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Nickel	14.6	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.195	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Thallium	0.302	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	32.7		1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc	31.0	B	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-5							Lab ID: C804069-05		
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	108		1	0.20	10.0	100	ug/L	EPA 6010B	
Barium	98.1	JB	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	12.4		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	9.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Zinc	1.7	J	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc	2.6	JB	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-1B							Lab ID: C804069-06		
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	85.5	JB	1	0.20	10.0	100	ug/L	EPA 6010B	
Barium	89.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	54.9		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	58.0		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	1.00	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Copper	1.40	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	6.8	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Nickel	7.8	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.121	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Thallium	0.060	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	16.6	B	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc	16.1		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-19							Lab ID: C804069-07		
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	67.2	JB	1	0.20	10.0	100	ug/L	EPA 6010B	
Barium	78.1	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	20.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Chromium	11.4		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	15.7		1	0.60	10.0	10	ug/L	EPA 6010B	
Copper	22.3		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	4.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	4.5	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	9.5	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Nickel	21.3	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.043	J	1	0.036	1.00	5.5	ug/L	EPA 6020	

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Client ID:	MW-19							Lab ID:	C804069-07	
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes	
Thallium	0.073	J	1	0.036	1.00	5.5	ug/L	EPA 6020		
Vanadium	12.1	J	1	1.0	10.0	25	ug/L	EPA 6010B		
Vanadium	13.0	J	1	1.0	10.0	25	ug/L	EPA 6010B		
Zinc	15.3	B	1	1.0	10.0	10	ug/L	EPA 6010B		
Zinc	26.2		1	1.0	10.0	10	ug/L	EPA 6010B		

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ANALYTICAL RESULTS

Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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	04/24/08 04:09	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,1-Dichloroethane [75-34-3] ^	**15**		ug/L	1	0.090	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,1-Dichloropropene [563-58-6] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dichloropropane [78-87-5] ^	**1.0**		ug/L	1	0.18	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,3-Dichloropropane [142-28-9] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**1.5**		ug/L	1	0.15	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
2,2-Dichloropropane [594-20-7] ^	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	04/24/08 04:09	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	04/24/08 04:09	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	04/24/08 04:09	jkg	
3-Chloropropene [107-05-1] ^	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	04/24/08 04:09	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	04/24/08 04:09	jkg	
Acetonitrile [75-05-8] ^	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	04/24/08 04:09	jkg	
Acrolein [107-02-8] ^	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	04/24/08 04:09	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	04/24/08 04:09	jkg	
Benzene [71-43-2] ^	**3.6**		ug/L	1	0.12	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	04/24/08 04:09	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Chloroprene [126-99-8] ^	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	04/24/08 04:09	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**12**		ug/L	1	0.14	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/24/08 04:09	jkg	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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
Ethyl Methacrylate [97-63-2] ^	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	04/24/08 04:09	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Hexachlorobutadiene [87-68-3] ^	0.33	U	ug/L	1	0.33	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	04/24/08 04:09	jkg	
Isobutyl alcohol [78-83-1] ^	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	04/24/08 04:09	jkg	
Methacrylonitrile [126-98-7] ^	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	04/24/08 04:09	jkg	
Methyl Methacrylate [80-62-6] ^	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	04/24/08 04:09	jkg	
Methylene chloride [75-09-2] ^	**3.8**		ug/L	1	0.088	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Naphthalene [91-20-3] ^	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Propionitrile [107-12-0] ^	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	04/24/08 04:09	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Tetrachloroethene [127-18-4] ^	**3.3**		ug/L	1	0.25	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	04/24/08 04:09	jkg	
Trichloroethene [79-01-6] ^	**3.6**		ug/L	1	0.23	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	04/24/08 04:09	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Xylenes (Total) [1330-20-7]	**2.6**	J	ug/L	1	0.21	1.0	5	EPA 8260B	04/24/08 04:09	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	*Notes*
4-Bromofluorobenzene	*39*	*1*	*50.0*	*77 %*	*69-120*	*8D23026*	*EPA 8260B*	*04/24/08 04:09*	*jkg*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*61-120*	*8D23026*	*EPA 8260B*	*04/24/08 04:09*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*75-99*	*8D23026*	*EPA 8260B*	*04/24/08 04:09*	*jkg*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 19:19	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:19	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
1,4-Naphthoquinone [130-15-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
1-Naphthylamine [134-32-7] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	04/23/08 19:19	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Acetylaminofluorene [53-96-3] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	04/23/08 19:19	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	04/23/08 19:19	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Naphthylamine [91-59-8] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 19:19	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 19:19	DFM	
3 & 4-Methylphenol	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	04/23/08 19:19	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 19:19	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	04/23/08 19:19	DFM	
4-Aminobiphenyl [92-67-1] ^	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	04/23/08 19:19	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 19:19	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	04/23/08 19:19	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 19:19	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 19:19	DFM	
5-Nitro-o-toluidine [99-55-8] ^	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	04/23/08 19:19	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Acetophenone [98-86-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	10	15	EPA 8270C	04/23/08 19:19	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:19	DFM	
Chlorobenzilate [510-15-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Diallate [2303-16-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
Dimethoate [60-51-5] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Disulfoton [298-04-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 19:19	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 19:19	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 19:19	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
Kepone [143-50-0] ^	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	04/23/08 19:19	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	04/23/08 19:19	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 19:19	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 19:19	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 19:19	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	04/23/08 19:19	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*75*	*1*	*100*	*75 %*	*40-124*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
2-Fluorobiphenyl	*37*	*1*	*50.0*	*74 %*	*36-100*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
2-Fluorophenol	*50*	*1*	*100*	*50 %*	*38-71*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
Nitrobenzene-d5	*38*	*1*	*50.0*	*77 %*	*45-92*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
Phenol-d5	*34*	*1*	*100*	*34 %*	*30-56*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*78 %*	*50-139*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
4,4'-DDE [72-55-9] ^	0.93	U	ug/L	1	0.93	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
4,4'-DDT [50-29-3] ^	0.52	U	ug/L	1	0.52	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Aldrin [309-00-2] ^	0.53	U	ug/L	1	0.53	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
alpha-BHC [319-84-6] ^	0.45	U	ug/L	1	0.45	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
beta-BHC [319-85-7] ^	0.49	U	ug/L	1	0.49	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
Chlordane (tech) [12789-03-6] ^	1.1	U	ug/L	1	1.1	17	0.5	EPA 8081A	04/23/08 13:40	JHH	
Chlordane-alpha [5103-71-9] ^	0.58	U	ug/L	1	0.58	1.7	NE	EPA 8081A	04/23/08 13:40	JHH	
Chlordane-gamma [NA] ^	0.56	U	ug/L	1	0.56	1.7	NE	EPA 8081A	04/23/08 13:40	JHH	
delta-BHC [319-86-8] ^	0.38	U	ug/L	1	0.38	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
Dieldrin [60-57-1] ^	0.58	U	ug/L	1	0.58	1.7	0.075	EPA 8081A	04/23/08 13:40	JHH	
Endosulfan I [959-98-8] ^	0.69	U	ug/L	1	0.69	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Endosulfan II [33213-65-9] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Endosulfan sulfate [1031-07-8] ^	0.54	U	ug/L	1	0.54	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Endrin [72-20-8] ^	0.50	U	ug/L	1	0.50	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Endrin aldehyde [7421-93-4] ^	0.83	U	ug/L	1	0.83	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
gamma-BHC [58-89-9] ^	0.67	U	ug/L	1	0.67	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
Heptachlor [76-44-8] ^	0.68	U	ug/L	1	0.68	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
Heptachlor epoxide [1024-57-3] ^	0.57	U	ug/L	1	0.57	1.7	0.075	EPA 8081A	04/23/08 13:40	JHH	
Methoxychlor [72-43-5] ^	0.92	U	ug/L	1	0.92	1.7	1	EPA 8081A	04/23/08 13:40	JHH	
Toxaphene [8001-35-2] ^	10	U	ug/L	1	10	33	1.5	EPA 8081A	04/23/08 13:40	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.83*	*1*	*1.00*	*83 %*	*39-151*	*8D22002*	*EPA 8081A*	*04/23/08 13:40*	*JHH*	
Decachlorobiphenyl	*0.92*	*1*	*1.00*	*92 %*	*70-130*	*8D22002*	*EPA 8081A*	*04/23/08 13:40*	*JHH*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	1.0	2	EPA 8082	04/23/08 13:40	JHH	
PCB-1221 [11104-28-2] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	
PCB-1232 [11141-16-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	
PCB-1248 [12672-29-6] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	
PCB-1254 [11097-69-1] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	
PCB-1260 [11096-82-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.83*	*1*	*1.00*	*83 %*	*39-151*	*8D22002*	*EPA 8082*	*04/23/08 13:40*	*JHH*	
Decachlorobiphenyl	*0.92*	*1*	*1.00*	*92 %*	*70-130*	*8D22002*	*EPA 8082*	*04/23/08 13:40*	*JHH*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 14:38	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Barium [7440-39-3] ^	**66.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 11:37	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 11:37	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 11:37	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Cobalt [7440-48-4] ^	**13.3**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Copper [7440-50-8] ^	**4.00**	J	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Lead [7439-92-1] ^	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Mercury [7439-97-6] ^	**0.41**		ug/L	1	0.11	0.20	0.2	EPA 7470A	04/23/08 16:27	MPL	
Nickel [7440-02-0] ^	**7.8**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 11:37	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Thallium [7440-28-0] ^	**0.120**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 14:38	JDH	
Tin [7440-31-5] ^	2.0	U	ug/L	1	2.0	10.0	100	EPA 6010B	04/23/08 11:37	VLO	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 11:37	VLO	
Zinc [7440-66-6] ^	**14.7**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**1700**	J	ug/L	1	480	5000	NE	SM4500-Cl/E	04/23/08 14:39	PEV	
Cyanide (total) [57-12-5] ^	4.0	U	ug/L	1	4.0	5.0	10	EPA 9014	04/24/08 10:58	PEV	
Sulfide [18496-25-8]	0.10	U	mg/L	1	0.10	0.10	1	EPA 376.2	04/21/08 14:08	AJ	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.13	U	ug/L	1	0.13	0.50	2	EPA 8151A	04/25/08 06:15	RC	
2,4,5-TP (Silvex) [93-72-1] ^	0.12	U	ug/L	1	0.12	0.50	2	EPA 8151A	04/25/08 06:15	RC	
2,4-D [94-75-7] ^	0.21	U	ug/L	1	0.21	0.50	2	EPA 8151A	04/25/08 06:15	RC	
Dinoseb [88-85-7] ^	0.42	U	ug/L	1	0.42	0.50	1	EPA 8151A	04/25/08 06:15	RC	
Pentachlorophenol [87-86-5] ^	0.064	U	ug/L	1	0.064	0.50	25	EPA 8151A	04/25/08 06:15	RC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.1*	*1*	*2.00*	*107 %*	*77-191*	*8D22005*	*EPA 8151A*	*04/25/08 06:15*	*RC*	

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

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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	04/22/08 14:12	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,1-Dichloroethane [75-34-3] ^	**1.2**	J	ug/L	1	0.090	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,1-Dichloropropene [563-58-6] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,3-Dichloropropane [142-28-9] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**2.5**		ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
2,2-Dichloropropane [594-20-7] ^	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	04/22/08 14:12	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	04/22/08 14:12	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	04/22/08 14:12	jkg	
3-Chloropropene [107-05-1] ^	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	04/22/08 14:12	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	04/22/08 14:12	jkg	
Acetonitrile [75-05-8] ^	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	04/22/08 14:12	jkg	
Acrolein [107-02-8] ^	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	04/22/08 14:12	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	04/22/08 14:12	jkg	
Benzene [71-43-2] ^	**1.3**		ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	04/22/08 14:12	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Chlorobenzene [108-90-7] ^	**0.58**	J	ug/L	1	0.16	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Chloroprene [126-99-8] ^	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	04/22/08 14:12	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**7.2**		ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
Ethyl Methacrylate [97-63-2] ^	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	04/22/08 14:12	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Hexachlorobutadiene [87-68-3] ^	0.33	U	ug/L	1	0.33	1.0	10	EPA 8260B	04/22/08 14:12	jkg	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	04/22/08 14:12	jkg	
Isobutyl alcohol [78-83-1] ^	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	04/22/08 14:12	jkg	
Methacrylonitrile [126-98-7] ^	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	04/22/08 14:12	jkg	
Methyl Methacrylate [80-62-6] ^	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	04/22/08 14:12	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Naphthalene [91-20-3] ^	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
Propionitrile [107-12-0] ^	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	04/22/08 14:12	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	04/22/08 14:12	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	04/22/08 14:12	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/22/08 14:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*69-120*	*8D22009*	*EPA 8260B*	*04/22/08 14:12*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*87 %*	*61-120*	*8D22009*	*EPA 8260B*	*04/22/08 14:12*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*81 %*	*75-99*	*8D22009*	*EPA 8260B*	*04/22/08 14:12*	*jkg*	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 19:46	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:46	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
1,4-Naphthoquinone [130-15-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
1-Naphthylamine [134-32-7] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	04/23/08 19:46	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Acetylaminofluorene [53-96-3] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	04/23/08 19:46	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	04/23/08 19:46	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Naphthylamine [91-59-8] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 19:46	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 19:46	DFM	
3 & 4-Methylphenol	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	04/23/08 19:46	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 19:46	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	04/23/08 19:46	DFM	
4-Aminobiphenyl [92-67-1] ^	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	04/23/08 19:46	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 19:46	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	04/23/08 19:46	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 19:46	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 19:46	DFM	
5-Nitro-o-toluidine [99-55-8] ^	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	04/23/08 19:46	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Acetophenone [98-86-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	10	15	EPA 8270C	04/23/08 19:46	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:46	DFM	
Chlorobenzilate [510-15-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Diallate [2303-16-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
Dimethoate [60-51-5] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Disulfoton [298-04-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 19:46	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 19:46	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 19:46	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
Kepone [143-50-0] ^	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	04/23/08 19:46	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	04/23/08 19:46	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 19:46	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 19:46	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 19:46	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	04/23/08 19:46	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
2,4,6-Tribromophenol	*72*	*1*	*100*	*72 %*	*40-124*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
2-Fluorobiphenyl	*37*	*1*	*50.0*	*75 %*	*36-100*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
2-Fluorophenol	*49*	*1*	*100*	*49 %*	*38-71*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*78 %*	*45-92*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
Phenol-d5	*31*	*1*	*100*	*31 %*	*30-56*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*78 %*	*50-139*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
4,4'-DDE [72-55-9] ^	0.93	U	ug/L	1	0.93	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
4,4'-DDT [50-29-3] ^	0.52	U	ug/L	1	0.52	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Aldrin [309-00-2] ^	0.53	U	ug/L	1	0.53	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
alpha-BHC [319-84-6] ^	0.45	U	ug/L	1	0.45	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
beta-BHC [319-85-7] ^	0.49	U	ug/L	1	0.49	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
Chlordane (tech) [12789-03-6] ^	1.1	U	ug/L	1	1.1	17	0.5	EPA 8081A	04/23/08 15:15	JHH	
Chlordane-alpha [5103-71-9] ^	0.58	U	ug/L	1	0.58	1.7	NE	EPA 8081A	04/23/08 15:15	JHH	
Chlordane-gamma [NA] ^	0.56	U	ug/L	1	0.56	1.7	NE	EPA 8081A	04/23/08 15:15	JHH	
delta-BHC [319-86-8] ^	0.38	U	ug/L	1	0.38	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
Dieldrin [60-57-1] ^	0.58	U	ug/L	1	0.58	1.7	0.075	EPA 8081A	04/23/08 15:15	JHH	
Endosulfan I [959-98-8] ^	0.69	U	ug/L	1	0.69	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Endosulfan II [33213-65-9] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Endosulfan sulfate [1031-07-8] ^	0.54	U	ug/L	1	0.54	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Endrin [72-20-8] ^	0.50	U	ug/L	1	0.50	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Endrin aldehyde [7421-93-4] ^	0.83	U	ug/L	1	0.83	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
gamma-BHC [58-89-9] ^	0.67	U	ug/L	1	0.67	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
Heptachlor [76-44-8] ^	0.68	U	ug/L	1	0.68	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
Heptachlor epoxide [1024-57-3] ^	0.57	U	ug/L	1	0.57	1.7	0.075	EPA 8081A	04/23/08 15:15	JHH	
Methoxychlor [72-43-5] ^	0.92	U	ug/L	1	0.92	1.7	1	EPA 8081A	04/23/08 15:15	JHH	
Toxaphene [8001-35-2] ^	10	U	ug/L	1	10	33	1.5	EPA 8081A	04/23/08 15:15	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.83*	*1*	*1.00*	*83 %*	*39-151*	*8D22002*	*EPA 8081A*	*04/23/08 15:15*	*JHH*	
Decachlorobiphenyl	*0.89*	*1*	*1.00*	*89 %*	*70-130*	*8D22002*	*EPA 8081A*	*04/23/08 15:15*	*JHH*	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	1.0	2	EPA 8082	04/23/08 15:15	JHH	
PCB-1221 [11104-28-2] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	
PCB-1232 [11141-16-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	
PCB-1248 [12672-29-6] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	
PCB-1254 [11097-69-1] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	
PCB-1260 [11096-82-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.83*	*1*	*1.00*	*83 %*	*39-151*	*8D22002*	*EPA 8082*	*04/23/08 15:15*	*JHH*	
Decachlorobiphenyl	*0.89*	*1*	*1.00*	*89 %*	*70-130*	*8D22002*	*EPA 8082*	*04/23/08 15:15*	*JHH*	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 14:52	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Barium [7440-39-3] ^	**90.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:00	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:00	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:00	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Cobalt [7440-48-4] ^	**38.1**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Mercury [7439-97-6] ^	**0.13**	J	ug/L	1	0.11	0.20	0.2	EPA 7470A	04/23/08 17:28	MPL	
Nickel [7440-02-0] ^	**4.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:00	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 14:52	JDH	
Tin [7440-31-5] ^	2.0	U	ug/L	1	2.0	10.0	100	EPA 6010B	04/23/08 12:00	VLO	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:00	VLO	
Zinc [7440-66-6] ^	**12.3**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	4.0	U	ug/L	1	4.0	5.0	10	EPA 9014	04/24/08 11:04	PEV	
Sulfide [18496-25-8]	0.10	U	mg/L	1	0.10	0.10	1	EPA 376.2	04/21/08 14:08	AJ	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.13	U	ug/L	1	0.13	0.50	2	EPA 8151A	04/25/08 15:08	RC	
2,4,5-TP (Silvex) [93-72-1] ^	0.12	U	ug/L	1	0.12	0.50	2	EPA 8151A	04/25/08 15:08	RC	
2,4-D [94-75-7] ^	0.21	U	ug/L	1	0.21	0.50	2	EPA 8151A	04/25/08 15:08	RC	
Dinoseb [88-85-7] ^	0.42	U	ug/L	1	0.42	0.50	1	EPA 8151A	04/25/08 15:08	RC	
Pentachlorophenol [87-86-5] ^	0.064	U	ug/L	1	0.064	0.50	25	EPA 8151A	04/25/08 15:08	RC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.2*	*1*	*2.00*	*112 %*	*77-191*	*8D22005*	*EPA 8151A*	*04/25/08 15:08*	*RC*	

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

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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	04/22/08 14:41	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,1-Dichloroethane [75-34-3] ^	**1.6**	J	ug/L	1	0.090	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,1-Dichloropropene [563-58-6] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,3-Dichloropropane [142-28-9] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**3.2**		ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
2,2-Dichloropropane [594-20-7] ^	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	04/22/08 14:41	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	04/22/08 14:41	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	04/22/08 14:41	jkg	
3-Chloropropene [107-05-1] ^	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	04/22/08 14:41	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	04/22/08 14:41	jkg	
Acetonitrile [75-05-8] ^	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	04/22/08 14:41	jkg	
Acrolein [107-02-8] ^	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	04/22/08 14:41	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	04/22/08 14:41	jkg	
Benzene [71-43-2] ^	**1.6**		ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	04/22/08 14:41	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Chlorobenzene [108-90-7] ^	**0.81**	J	ug/L	1	0.16	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
Chloroethane [75-00-3] ^	**1.5**	J	ug/L	1	0.40	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Chloroprene [126-99-8] ^	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	04/22/08 14:41	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**26**		ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
Ethyl Methacrylate [97-63-2] ^	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	04/22/08 14:41	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Hexachlorobutadiene [87-68-3] ^	0.33	U	ug/L	1	0.33	1.0	10	EPA 8260B	04/22/08 14:41	jkg	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	04/22/08 14:41	jkg	
Isobutyl alcohol [78-83-1] ^	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	04/22/08 14:41	jkg	
Methacrylonitrile [126-98-7] ^	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	04/22/08 14:41	jkg	
Methyl Methacrylate [80-62-6] ^	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	04/22/08 14:41	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Naphthalene [91-20-3] ^	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
Propionitrile [107-12-0] ^	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	04/22/08 14:41	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Tetrachloroethene [127-18-4] ^	**0.48**	J	ug/L	1	0.25	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	04/22/08 14:41	jkg	
Trichloroethene [79-01-6] ^	**0.43**	J	ug/L	1	0.23	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	04/22/08 14:41	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/22/08 14:41	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*69-120*	*8D22009*	*EPA 8260B*	*04/22/08 14:41*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*61-120*	*8D22009*	*EPA 8260B*	*04/22/08 14:41*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*75-99*	*8D22009*	*EPA 8260B*	*04/22/08 14:41*	*jkg*	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 20:14	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 20:14	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
1,4-Naphthoquinone [130-15-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
1-Naphthylamine [134-32-7] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	04/23/08 20:14	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Acetylaminofluorene [53-96-3] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	04/23/08 20:14	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	04/23/08 20:14	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Naphthylamine [91-59-8] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 20:14	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 20:14	DFM	
3 & 4-Methylphenol	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	04/23/08 20:14	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 20:14	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	04/23/08 20:14	DFM	
4-Aminobiphenyl [92-67-1] ^	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	04/23/08 20:14	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 20:14	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	04/23/08 20:14	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 20:14	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 20:14	DFM	
5-Nitro-o-toluidine [99-55-8] ^	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	04/23/08 20:14	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Acetophenone [98-86-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	10	15	EPA 8270C	04/23/08 20:14	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 20:14	DFM	
Chlorobenzilate [510-15-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Diallate [2303-16-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
Dimethoate [60-51-5] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Disulfoton [298-04-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 20:14	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 20:14	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 20:14	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
Kepone [143-50-0] ^	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	04/23/08 20:14	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	04/23/08 20:14	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 20:14	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 20:14	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 20:14	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	04/23/08 20:14	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*76*	*1*	*100*	*76 %*	*40-124*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
2-Fluorobiphenyl	*37*	*1*	*50.0*	*75 %*	*36-100*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
2-Fluorophenol	*46*	*1*	*100*	*46 %*	*38-71*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*78 %*	*45-92*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
Phenol-d5	*31*	*1*	*100*	*31 %*	*30-56*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
Terphenyl-d14	*38*	*1*	*50.0*	*75 %*	*50-139*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
4,4'-DDE [72-55-9] ^	0.93	U	ug/L	1	0.93	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
4,4'-DDT [50-29-3] ^	0.52	U	ug/L	1	0.52	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Aldrin [309-00-2] ^	0.53	U	ug/L	1	0.53	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
alpha-BHC [319-84-6] ^	0.45	U	ug/L	1	0.45	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
beta-BHC [319-85-7] ^	0.49	U	ug/L	1	0.49	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
Chlordane (tech) [12789-03-6] ^	1.1	U	ug/L	1	1.1	17	0.5	EPA 8081A	04/23/08 15:40	JHH	
Chlordane-alpha [5103-71-9] ^	0.58	U	ug/L	1	0.58	1.7	NE	EPA 8081A	04/23/08 15:40	JHH	
Chlordane-gamma [NA] ^	0.56	U	ug/L	1	0.56	1.7	NE	EPA 8081A	04/23/08 15:40	JHH	
delta-BHC [319-86-8] ^	0.38	U	ug/L	1	0.38	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
Dieldrin [60-57-1] ^	0.58	U	ug/L	1	0.58	1.7	0.075	EPA 8081A	04/23/08 15:40	JHH	
Endosulfan I [959-98-8] ^	0.69	U	ug/L	1	0.69	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Endosulfan II [33213-65-9] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Endosulfan sulfate [1031-07-8] ^	0.54	U	ug/L	1	0.54	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Endrin [72-20-8] ^	0.50	U	ug/L	1	0.50	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Endrin aldehyde [7421-93-4] ^	0.83	U	ug/L	1	0.83	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
gamma-BHC [58-89-9] ^	0.67	U	ug/L	1	0.67	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
Heptachlor [76-44-8] ^	0.68	U	ug/L	1	0.68	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
Heptachlor epoxide [1024-57-3] ^	0.57	U	ug/L	1	0.57	1.7	0.075	EPA 8081A	04/23/08 15:40	JHH	
Methoxychlor [72-43-5] ^	0.92	U	ug/L	1	0.92	1.7	1	EPA 8081A	04/23/08 15:40	JHH	
Toxaphene [8001-35-2] ^	10	U	ug/L	1	10	33	1.5	EPA 8081A	04/23/08 15:40	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.80*	*1*	*1.00*	*80 %*	*39-151*	*8D22002*	*EPA 8081A*	*04/23/08 15:40*	*JHH*	
Decachlorobiphenyl	*0.70*	*1*	*1.00*	*70 %*	*70-130*	*8D22002*	*EPA 8081A*	*04/23/08 15:40*	*JHH*	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	1.0	2	EPA 8082	04/23/08 15:40	JHH	
PCB-1221 [11104-28-2] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	
PCB-1232 [11141-16-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	
PCB-1248 [12672-29-6] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	
PCB-1254 [11097-69-1] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	
PCB-1260 [11096-82-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.80*	*1*	*1.00*	*80 %*	*39-151*	*8D22002*	*EPA 8082*	*04/23/08 15:40*	*JHH*	
Decachlorobiphenyl	*0.70*	*1*	*1.00*	*70 %*	*70-130*	*8D22002*	*EPA 8082*	*04/23/08 15:40*	*JHH*	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 14:55	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Barium [7440-39-3] ^	**105**		ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:07	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:07	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:07	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Cobalt [7440-48-4] ^	**85.2**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Lead [7439-92-1] ^	**2.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	04/23/08 17:31	MPL	
Nickel [7440-02-0] ^	**20.7**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:07	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Thallium [7440-28-0] ^	**0.114**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 14:55	JDH	
Tin [7440-31-5] ^	2.0	U	ug/L	1	2.0	10.0	100	EPA 6010B	04/23/08 12:07	VLO	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:07	VLO	
Zinc [7440-66-6] ^	**38.4**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	4.0	U	ug/L	1	4.0	5.0	10	EPA 9014	04/24/08 11:06	PEV	
Sulfide [18496-25-8]	0.50	U	mg/L	1	0.50	0.50	1	EPA 376.2	04/21/08 14:08	AJ	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.13	U	ug/L	1	0.13	0.50	2	EPA 8151A	04/25/08 15:40	RC	
2,4,5-TP (Silvex) [93-72-1] ^	0.12	U	ug/L	1	0.12	0.50	2	EPA 8151A	04/25/08 15:40	RC	
2,4-D [94-75-7] ^	0.21	U	ug/L	1	0.21	0.50	2	EPA 8151A	04/25/08 15:40	RC	
Dinoseb [88-85-7] ^	0.42	U	ug/L	1	0.42	0.50	1	EPA 8151A	04/25/08 15:40	RC	
Pentachlorophenol [87-86-5] ^	0.064	U	ug/L	1	0.064	0.50	25	EPA 8151A	04/25/08 15:40	RC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.9*	*1*	*2.00*	*144 %*	*77-191*	*8D22005*	*EPA 8151A*	*04/25/08 15:40*	*RC*	

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Description: MW-11
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-04
Sampled: 04/17/08 12:10
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 14:57	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Barium [7440-39-3] ^	**116**		ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:14	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:14	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:14	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Cobalt [7440-48-4] ^	**113**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Nickel [7440-02-0] ^	**14.6**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:14	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Thallium [7440-28-0] ^	**0.195**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 14:57	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:14	VLO	
Zinc [7440-66-6] ^	**32.7**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	

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Description: MW-11
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-04
Sampled: 04/17/08 12:10
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/28/08 11:49	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Barium [7440-39-3] ^	**115**	B	ug/L	1	0.20	10.0	100	EPA 6010B	04/28/08 14:46	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/28/08 14:46	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/28/08 14:46	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Cobalt [7440-48-4] ^	**105**		ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Nickel [7440-02-0] ^	**14.9**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/28/08 14:46	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Thallium [7440-28-0] ^	**0.302**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/28/08 11:49	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/28/08 14:46	VLO	
Zinc [7440-66-6] ^	**31.0**	B	ug/L	1	1.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	

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Description: MW-5
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-05
Sampled: 04/17/08 13:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 15:09	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Barium [7440-39-3] ^	**108**		ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:21	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:21	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:21	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Cobalt [7440-48-4] ^	**12.4**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:21	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 15:09	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:21	VLO	
Zinc [7440-66-6] ^	**1.7**	J	ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	

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Description: MW-5
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-05
Sampled: 04/17/08 13:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/28/08 11:41	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Barium [7440-39-3] ^	**98.1**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	04/28/08 15:07	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/28/08 15:07	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/28/08 15:07	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Cobalt [7440-48-4] ^	**9.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Lead [7439-92-1] ^	**2.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	04/28/08 15:07	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	04/28/08 11:41	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/28/08 15:07	VLO	
Zinc [7440-66-6] ^	**2.6**	JB	ug/L	1	1.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	

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

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Description: MW-1B
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-06
Sampled: 04/17/08 13:40
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 15:11	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Barium [7440-39-3] ^	**89.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:28	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:28	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:28	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Cobalt [7440-48-4] ^	**58.0**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Copper [7440-50-8] ^	**1.00**	J	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Nickel [7440-02-0] ^	**6.8**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:28	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Thallium [7440-28-0] ^	**0.060**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 15:11	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:28	VLO	
Zinc [7440-66-6] ^	**16.1**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	

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Description: MW-1B
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-06
Sampled: 04/17/08 13:40
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/28/08 11:52	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Barium [7440-39-3] ^	**85.5**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	04/28/08 15:30	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/28/08 15:30	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/28/08 15:30	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Cobalt [7440-48-4] ^	**54.9**		ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Copper [7440-50-8] ^	**1.40**	J	ug/L	1	0.60	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Lead [7439-92-1] ^	**2.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Nickel [7440-02-0] ^	**7.8**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/28/08 15:30	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Thallium [7440-28-0] ^	**0.121**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/28/08 11:52	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/28/08 15:30	VLO	
Zinc [7440-66-6] ^	**16.6**	B	ug/L	1	1.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	

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

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Description: MW-19
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-07
Sampled: 04/17/08 14:40
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 15:14	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Barium [7440-39-3] ^	**78.1**	J	ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:51	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:51	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:51	VLO	
Chromium [7440-47-3] ^	**11.4**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Copper [7440-50-8] ^	**22.3**		ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Lead [7439-92-1] ^	**4.5**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Nickel [7440-02-0] ^	**9.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:51	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Thallium [7440-28-0] ^	**0.043**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 15:14	JDH	
Vanadium [7440-62-2] ^	**13.0**	J	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:51	VLO	
Zinc [7440-66-6] ^	**26.2**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	

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Description: MW-19
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-07
Sampled: 04/17/08 14:40
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/28/08 11:54	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Barium [7440-39-3] ^	**67.2**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	04/28/08 15:37	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/28/08 15:37	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/28/08 15:37	VLO	
Chromium [7440-47-3] ^	**20.3**		ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Cobalt [7440-48-4] ^	**2.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Copper [7440-50-8] ^	**15.7**		ug/L	1	0.60	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Lead [7439-92-1] ^	**4.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Nickel [7440-02-0] ^	**21.3**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/28/08 15:37	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Thallium [7440-28-0] ^	**0.073**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/28/08 11:54	JDH	
Vanadium [7440-62-2] ^	**12.1**	J	ug/L	1	1.0	10.0	25	EPA 6010B	04/28/08 15:37	VLO	
Zinc [7440-66-6] ^	**15.3**	B	ug/L	1	1.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	

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

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Description: TB
Matrix: Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-10
Sampled: 04/17/08 00:00
Sampled By:

Received: 04/18/08 11:30
Work Order: C804069

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	04/22/08 21:29	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,1-Dichloropropene [563-58-6] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,3-Dichloropropane [142-28-9] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
2,2-Dichloropropane [594-20-7] ^	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	04/22/08 21:29	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	04/22/08 21:29	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	04/22/08 21:29	jkg	
3-Chloropropene [107-05-1] ^	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	04/22/08 21:29	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	04/22/08 21:29	jkg	
Acetonitrile [75-05-8] ^	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	04/22/08 21:29	jkg	
Acrolein [107-02-8] ^	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	04/22/08 21:29	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	04/22/08 21:29	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	04/22/08 21:29	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Chloroprene [126-99-8] ^	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	04/22/08 21:29	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
Ethyl Methacrylate [97-63-2] ^	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	04/22/08 21:29	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Hexachlorobutadiene [87-68-3] ^	0.33	U	ug/L	1	0.33	1.0	10	EPA 8260B	04/22/08 21:29	jkg	

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Description: TB
Matrix: Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-10
Sampled: 04/17/08 00:00
Sampled By:

Received: 04/18/08 11:30
Work Order: C804069

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
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	04/22/08 21:29	jkg	
Isobutyl alcohol [78-83-1] ^	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	04/22/08 21:29	jkg	
Methacrylonitrile [126-98-7] ^	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	04/22/08 21:29	jkg	
Methyl Methacrylate [80-62-6] ^	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	04/22/08 21:29	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Naphthalene [91-20-3] ^	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
Propionitrile [107-12-0] ^	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	04/22/08 21:29	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	04/22/08 21:29	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	04/22/08 21:29	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/22/08 21:29	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*69-120*	*8D22026*	*EPA 8260B*	*04/22/08 21:29*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*61-120*	*8D22026*	*EPA 8260B*	*04/22/08 21:29*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*81 %*	*75-99*	*8D22026*	*EPA 8260B*	*04/22/08 21:29*	*jkg*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8D22009 - EPA 5030B_MS

Blank (8D22009-BLK1) Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 06:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.14	U	1.0	ug/L							
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							
Acrolein	2.1	U	10	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							
Acetonitrile	1.8	U	10	ug/L							
3-Chloropropene	0.20	U	1.0	ug/L							
Methylene chloride	**1.3**		1.0	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							
Chloroprene	0.19	U	1.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
2,2-Dichloropropane	0.16	U	1.0	ug/L							
Propionitrile	1.6	U	10	ug/L							
Methacrylonitrile	0.69	U	10	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							
1,1-Dichloropropene	0.13	U	1.0	ug/L							
Isobutyl alcohol	8.4	U	20	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							
Methyl Methacrylate	0.38	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
Ethyl Methacrylate	0.17	U	2.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
1,3-Dichloropropane	0.18	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							

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Volatile Organic Compounds by GCMS - Quality Control

Batch 8D22009 - EPA 5030B_MS

Blank (8D22009-BLK1) Continued Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 06:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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							
1,3-Dichlorobenzene	0.15	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							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
Hexachlorobutadiene	0.33	U	1.0	ug/L							
Naphthalene	0.25	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*61-120*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*81*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

LCS (8D22009-BS1) Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 06:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		120	71-121			
Benzene	22		1.0	ug/L	20.0		112	77-128			
Trichloroethene	19		1.0	ug/L	20.0		96	79-120			
Toluene	18		1.0	ug/L	20.0		92	77-120			
Chlorobenzene	19		1.0	ug/L	20.0		93	78-120			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

Matrix Spike (8D22009-MS1) Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 07:25

Source: C804201-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.20 U	114	71-121			
Benzene	22		1.0	ug/L	20.0	0.20 U	112	77-128			
Trichloroethene	19		1.0	ug/L	20.0	0.25 U	96	79-120			
Toluene	19		1.0	ug/L	20.0	0.20 U	95	77-120			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	94	78-120			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*77*	*69-120*			

Matrix Spike Dup (8D22009-MSD1) Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 07:54

Source: C804201-07

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Volatile Organic Compounds by GCMS - Quality Control

Batch 8D22009 - EPA 5030B_MS

Matrix Spike Dup (8D22009-MSD1) Continued Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 07:54

Source: C804201-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.20 U	113	71-121	0.8	27	
Benzene	22		1.0	ug/L	20.0	0.20 U	111	77-128	0.9	27	
Trichloroethene	19		1.0	ug/L	20.0	0.25 U	94	79-120	2	27	
Toluene	18		1.0	ug/L	20.0	0.20 U	92	77-120	4	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	95	78-120	0.5	25	
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*69-120*			

Batch 8D22026 - EPA 5030B_MS

Blank (8D22026-BLK1) Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 18:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.14	U	1.0	ug/L							
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							
Acrolein	2.1	U	10	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							
Acetonitrile	1.8	U	10	ug/L							
3-Chloropropene	0.20	U	1.0	ug/L							
Methylene chloride	0.088	U	1.0	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							
Chloroprene	0.19	U	1.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
2,2-Dichloropropane	0.16	U	1.0	ug/L							
Propionitrile	1.6	U	10	ug/L							
Methacrylonitrile	0.69	U	10	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							
1,1-Dichloropropene	0.13	U	1.0	ug/L							
Isobutyl alcohol	8.4	U	20	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							

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Batch 8D22026 - EPA 5030B_MS

Blank (8D22026-BLK1) Continued

Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 18:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Methyl Methacrylate	0.38	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
Ethyl Methacrylate	0.17	U	2.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
1,3-Dichloropropane	0.18	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							
1,3-Dichlorobenzene	0.15	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							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
Hexachlorobutadiene	0.33	U	1.0	ug/L							
Naphthalene	0.25	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

LCS (8D22026-BS1)

Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 19:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		110	71-121			
Benzene	21		1.0	ug/L	20.0		106	77-128			
Trichloroethene	17		1.0	ug/L	20.0		87	79-120			
Toluene	18		1.0	ug/L	20.0		88	77-120			
Chlorobenzene	18		1.0	ug/L	20.0		90	78-120			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*91*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*69-120*			

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Volatile Organic Compounds by GCMS - Quality Control

Batch 8D22026 - EPA 5030B_MS

Matrix Spike (8D22026-MS1) Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 19:32

Source: C803671-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.20 U	138	71-121			QM-07
Benzene	24		1.0	ug/L	20.0	0.20 U	122	77-128			
Trichloroethene	21		1.0	ug/L	20.0	0.25 U	105	79-120			
Toluene	20		1.0	ug/L	20.0	0.20 U	102	77-120			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	101	78-120			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*91*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

Matrix Spike Dup (8D22026-MSD1) Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 20:01

Source: C803671-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.20 U	126	71-121	9	27	QM-07
Benzene	23		1.0	ug/L	20.0	0.20 U	116	77-128	5	27	
Trichloroethene	19		1.0	ug/L	20.0	0.25 U	97	79-120	8	27	
Toluene	19		1.0	ug/L	20.0	0.20 U	96	77-120	6	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	78-120	6	25	
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*69-120*			

Batch 8D23026 - EPA 5030B_MS

Blank (8D23026-BLK1) Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 01:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.14	U	1.0	ug/L							
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							
Acrolein	2.1	U	10	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							
Acetonitrile	1.8	U	10	ug/L							
3-Chloropropene	0.20	U	1.0	ug/L							
Methylene chloride	0.088	U	1.0	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							
Chloroprene	0.19	U	1.0	ug/L							

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Batch 8D23026 - EPA 5030B_MS

Blank (8D23026-BLK1) Continued

Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 01:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
2,2-Dichloropropane	0.16	U	1.0	ug/L							
Propionitrile	1.6	U	10	ug/L							
Methacrylonitrile	0.69	U	10	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							
1,1-Dichloropropene	0.13	U	1.0	ug/L							
Isobutyl alcohol	8.4	U	20	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							
Methyl Methacrylate	0.38	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
Ethyl Methacrylate	0.17	U	2.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
1,3-Dichloropropane	0.18	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							
1,3-Dichlorobenzene	0.15	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							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
Hexachlorobutadiene	0.33	U	1.0	ug/L							
Naphthalene	0.25	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*82*	*61-120*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8D23026 - EPA 5030B_MS

LCS (8D23026-BS1) Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 02:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		121	71-121			
Benzene	24		1.0	ug/L	20.0		119	77-128			
Trichloroethene	19		1.0	ug/L	20.0		94	79-120			
Toluene	19		1.0	ug/L	20.0		94	77-120			
Chlorobenzene	19		1.0	ug/L	20.0		94	78-120			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*83*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*69-120*			

Matrix Spike (8D23026-MS1) Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 02:42

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	27		1.0	ug/L	20.0	0.20 U	137	71-121			QM-07
Benzene	29		1.0	ug/L	20.0	3.6	126	77-128			
Trichloroethene	24		1.0	ug/L	20.0	3.6	100	79-120			
Toluene	20		1.0	ug/L	20.0	0.20 U	99	77-120			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	102	78-120			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*69-120*			

Matrix Spike Dup (8D23026-MSD1) Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 03:11

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.20 U	138	71-121	0.5	27	QM-07
Benzene	30		1.0	ug/L	20.0	3.6	132	77-128	4	27	QM-07
Trichloroethene	24		1.0	ug/L	20.0	3.6	101	79-120	1	27	
Toluene	20		1.0	ug/L	20.0	0.20 U	101	77-120	2	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	99	78-120	3	25	
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*69-120*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Blank (8D21028-BLK1) Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	1.7	U	10	ug/L							
1,3-Dinitrobenzene	1.0	U	10	ug/L							
1,3,5-Trinitrobenzene	1.4	U	10	ug/L							
1,4-Naphthoquinone	3.0	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							

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Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Blank (8D21028-BLK1) Continued Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1-Naphthylamine	2.5	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	1.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.1	U	10	ug/L							
2,4,6-Trichlorophenol	1.4	U	10	ug/L							
2,4-Dichlorophenol	1.6	U	10	ug/L							
2,4-Dimethylphenol	3.0	U	10	ug/L							
2,4-Dinitrophenol	1.7	U	10	ug/L							
2,4-Dinitrotoluene	1.2	U	10	ug/L							
2,6-Dichlorophenol	1.7	U	10	ug/L							
2,6-Dinitrotoluene	1.0	U	10	ug/L							
2-Acetylaminofluorene	1.3	U	10	ug/L							
2-Chloronaphthalene	1.6	U	10	ug/L							
2-Chlorophenol	2.0	U	10	ug/L							
2-Methylnaphthalene	2.0	U	10	ug/L							
2-Methylphenol	2.0	U	10	ug/L							
2-Naphthylamine	4.0	U	10	ug/L							
2-Nitroaniline	1.2	U	10	ug/L							
2-Nitrophenol	1.8	U	10	ug/L							
3,3'-Dimethylbenzidine	3.0	U	10	ug/L							
3,3'-Dichlorobenzidine	1.8	U	10	ug/L							
3 & 4-Methylphenol	1.9	U	20	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	1.6	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.4	U	10	ug/L							
4-Aminobiphenyl	3.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.2	U	10	ug/L							
4-Chloro-3-methylphenol	1.4	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							
4-Chlorophenyl-phenylether	1.2	U	10	ug/L							
4-Nitroaniline	1.4	U	10	ug/L							
4-Nitrophenol	1.2	U	10	ug/L							
5-Nitro-o-toluidine	0.60	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	2.0	U	10	ug/L							
Acenaphthylene	2.0	U	10	ug/L							
Acetophenone	2.0	U	10	ug/L							
Anthracene	2.0	U	10	ug/L							
Benzo(a)anthracene	2.0	U	10	ug/L							
Benzo(a)pyrene	2.0	U	10	ug/L							
Benzo(b)fluoranthene	2.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.0	U	10	ug/L							
Benzo(k)fluoranthene	2.0	U	10	ug/L							
Benzyl alcohol	1.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	2.0	U	10	ug/L							
Bis(2-chloroethyl)ether	2.1	U	10	ug/L							
Bis(2-chloroisopropyl)ether	2.2	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.9	U	10	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Chlorobenzilate	1.1	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Blank (8D21028-BLK1) Continued Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chrysene	2.0	U	10	ug/L							
Diallate	1.3	U	10	ug/L							
Dibenzo(a,h)anthracene	2.0	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	1.3	U	10	ug/L							
Dimethoate	1.0	U	10	ug/L							
Dimethylphthalate	1.1	U	10	ug/L							
Di-n-butylphthalate	1.0	U	10	ug/L							
Di-n-octylphthalate	2.0	U	10	ug/L							
Disulfoton	1.0	U	10	ug/L							
Ethyl methanesulfonate	1.1	U	10	ug/L							
Famphur	1.8	U	10	ug/L							
Fluoranthene	2.0	U	10	ug/L							
Fluorene	2.0	U	10	ug/L							
Hexachlorobenzene	1.1	U	10	ug/L							
Hexachlorobutadiene	2.0	U	10	ug/L							
Hexachlorocyclopentadiene	2.0	U	10	ug/L							
Hexachloroethane	2.4	U	10	ug/L							
Hexachloropropene	1.1	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.0	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.8	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	1.5	U	20	ug/L							
Methapyrilene	3.8	U	10	ug/L							
Methyl Methanesulfonate	2.0	U	10	ug/L							
Methyl parathion	1.2	U	10	ug/L							
Nitrobenzene	1.9	U	10	ug/L							
N-Nitrosodiethylamine	1.9	U	10	ug/L							
N-Nitrosodimethylamine	1.9	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.0	U	10	ug/L							
N-Nitroso-di-n-propylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.5	U	10	ug/L							
N-Nitrosopyrrolidine	1.9	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	2.0	U	10	ug/L							
o-Toluidine	1.5	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	1.2	U	10	ug/L							
Pentachlorobenzene	1.2	U	10	ug/L							
Pentachloronitrobenzene	1.1	U	10	ug/L							
Phenacetin	1.0	U	10	ug/L							
Phenanthrene	2.0	U	10	ug/L							
Phenol	1.5	U	10	ug/L							
Phorate	4.1	U	10	ug/L							
Pronamide	1.0	U	10	ug/L							
Pyrene	2.0	U	10	ug/L							
Safrole	1.9	U	10	ug/L							
Thionazin	1.2	U	10	ug/L							

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Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Blank (8D21028-BLK1) Continued

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
N-Nitrosodiphenylamine/Diphenylamine	1.1	U	10	ug/L							
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*38-71*			
Surrogate: Phenol-d5	*36*			*ug/L*	*100*		*36*	*30-56*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*78*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.0*		*72*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*76*			*ug/L*	*100*		*76*	*40-124*			
Surrogate: Terphenyl-d14	*38*			*ug/L*	*50.0*		*75*	*50-139*			

LCS (8D21028-BS1)

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	38		10	ug/L	50.0		76	52-115			
2-Chlorophenol	35		10	ug/L	50.0		69	51-89			
4-Chloro-3-methylphenol	38		10	ug/L	50.0		76	56-103			
4-Nitrophenol	19		10	ug/L	50.0		38	28-86			
Acenaphthene	37		10	ug/L	50.0		73	38-100			
N-Nitroso-di-n-propylamine	42		10	ug/L	50.0		85	51-91			
Phenol	17		10	ug/L	50.0		34	33-58			
Pyrene	42		10	ug/L	50.0		84	61-135			
Surrogate: 2-Fluorophenol	*50*			*ug/L*	*100*		*50*	*38-71*			
Surrogate: Phenol-d5	*35*			*ug/L*	*100*		*35*	*30-56*			
Surrogate: Nitrobenzene-d5	*40*			*ug/L*	*50.0*		*80*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*78*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*69*			*ug/L*	*100*		*69*	*40-124*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*80*	*50-139*			

Matrix Spike (8D21028-MS1)

Source: C804069-01

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 18:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	40		10	ug/L	50.0	1.2 U	80	52-115			
2-Chlorophenol	36		10	ug/L	50.0	2.0 U	72	51-89			
4-Chloro-3-methylphenol	40		10	ug/L	50.0	1.4 U	80	56-103			
4-Nitrophenol	23		10	ug/L	50.0	1.2 U	46	28-86			
Acenaphthene	38		10	ug/L	50.0	2.0 U	77	38-100			
N-Nitroso-di-n-propylamine	44		10	ug/L	50.0	2.1 U	88	51-91			
Phenol	18		10	ug/L	50.0	1.5 U	35	33-58			
Pyrene	42		10	ug/L	50.0	2.0 U	84	61-135			
Surrogate: 2-Fluorophenol	*39*			*ug/L*	*100*		*39*	*38-71*			
Surrogate: Phenol-d5	*35*			*ug/L*	*100*		*35*	*30-56*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*79*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*79*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*75*			*ug/L*	*100*		*75*	*40-124*			
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*81*	*50-139*			

Matrix Spike Dup (8D21028-MSD1)

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 18:52

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Matrix Spike Dup (8D21028-MSD1) Continued Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 18:52

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	34		10	ug/L	50.0	1.2 U	68	52-115	15	15	
2-Chlorophenol	32		10	ug/L	50.0	2.0 U	65	51-89	10	22	
4-Chloro-3-methylphenol	35		10	ug/L	50.0	1.4 U	71	56-103	13	28	
4-Nitrophenol	20		10	ug/L	50.0	1.2 U	39	28-86	14	16	
Acenaphthene	33		10	ug/L	50.0	2.0 U	66	38-100	16	27	
N-Nitroso-di-n-propylamine	39		10	ug/L	50.0	2.1 U	77	51-91	13	16	
Phenol	16		10	ug/L	50.0	1.5 U	32	33-58	9	20	QM-07
Pyrene	37		10	ug/L	50.0	2.0 U	73	61-135	14	20	
Surrogate: 2-Fluorophenol	*45*			*ug/L*	*100*		*45*	*38-71*			
Surrogate: Phenol-d5	*32*			*ug/L*	*100*		*32*	*30-56*			
Surrogate: Nitrobenzene-d5	*34*			*ug/L*	*50.0*		*69*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*33*			*ug/L*	*50.0*		*67*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*64*			*ug/L*	*100*		*64*	*40-124*			
Surrogate: Terphenyl-d14	*36*			*ug/L*	*50.0*		*71*	*50-139*			

Organochlorine Pesticides by GC - Quality Control

Batch 8D22002 - EPA 3510C

Blank (8D22002-BLK1) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 10:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
alpha-BHC	0.0010	U	0.050	ug/L							
beta-BHC	0.0030	U	0.050	ug/L							
gamma-BHC	0.0020	U	0.050	ug/L							
delta-BHC	0.0020	U	0.050	ug/L							
Heptachlor	0.0030	U	0.050	ug/L							
Aldrin	0.0030	U	0.050	ug/L							
Heptachlor epoxide	0.0040	U	0.050	ug/L							
Chlordane-gamma	0.0050	U	0.050	ug/L							
Chlordane-alpha	0.0090	U	0.050	ug/L							
4,4'-DDE	0.0060	U	0.050	ug/L							
Endosulfan I	0.0040	U	0.050	ug/L							
Dieldrin	0.0060	U	0.050	ug/L							
Endrin	0.0040	U	0.050	ug/L							
4,4'-DDD	0.0050	U	0.050	ug/L							
Endosulfan II	0.0040	U	0.050	ug/L							
4,4'-DDT	0.0050	U	0.050	ug/L							
Endrin aldehyde	0.0040	U	0.050	ug/L							
Methoxychlor	0.0060	U	0.050	ug/L							
Endosulfan sulfate	0.0040	U	0.050	ug/L							
Chlordane (tech)	0.020	U	0.50	ug/L							
Toxaphene	0.67	U	1.0	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.88*			*ug/L*	*1.00*		*88*	*70-130*			

LCS (8D22002-BS1) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 11:16

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Organochlorine Pesticides by GC - Quality Control

Batch 8D22002 - EPA 3510C

LCS (8D22002-BS1) Continued

Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 11:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
gamma-BHC	0.69		0.050	ug/L	1.00		69	50-150			
Heptachlor	0.66		0.050	ug/L	1.00		66	50-150			
Aldrin	0.61		0.050	ug/L	1.00		61	50-150			
Dieldrin	0.69		0.050	ug/L	1.00		69	50-150			
Endrin	0.58		0.050	ug/L	1.00		58	50-150			
4,4'-DDT	0.68		0.050	ug/L	1.00		68	50-150			
Surrogate: 2,4,5,6-TCMX	*0.76*			*ug/L*	*1.00*		*76*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.80*			*ug/L*	*1.00*		*80*	*70-130*			

Matrix Spike (8D22002-MS1)

Source: C804069-01

Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 11:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
gamma-BHC	0.71		0.050	ug/L	1.00	0.0020 U	71	48-118			
Heptachlor	0.71		0.050	ug/L	1.00	0.0030 U	71	42-163			
Aldrin	0.67		0.050	ug/L	1.00	0.0030 U	67	41-154			
Dieldrin	0.71		0.050	ug/L	1.00	0.0060 U	71	41-154			
Endrin	0.65		0.050	ug/L	1.00	0.0040 U	65	38-183			
4,4'-DDT	0.72		0.050	ug/L	1.00	0.0050 U	72	53-143			
Surrogate: 2,4,5,6-TCMX	*0.83*			*ug/L*	*1.00*		*83*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.94*			*ug/L*	*1.00*		*94*	*70-130*			

Matrix Spike Dup (8D22002-MSD1)

Source: C804069-01

Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 12:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
gamma-BHC	0.74		0.050	ug/L	1.00	0.0020 U	74	48-118	3	21	
Heptachlor	0.72		0.050	ug/L	1.00	0.0030 U	72	42-163	1	25	
Aldrin	0.69		0.050	ug/L	1.00	0.0030 U	69	41-154	2	22	
Dieldrin	0.72		0.050	ug/L	1.00	0.0060 U	72	41-154	1	22	
Endrin	0.65		0.050	ug/L	1.00	0.0040 U	65	38-183	0.9	26	
4,4'-DDT	0.72		0.050	ug/L	1.00	0.0050 U	72	53-143	1	24	
Surrogate: 2,4,5,6-TCMX	*0.82*			*ug/L*	*1.00*		*82*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.74*			*ug/L*	*1.00*		*74*	*70-130*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 8D22002 - EPA 3510C

Blank (8D22002-BLK1)

Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 10:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	1.0	ug/L							
PCB-1221	0.21	U	1.0	ug/L							
PCB-1232	0.21	U	1.0	ug/L							
PCB-1248	0.21	U	1.0	ug/L							
PCB-1254	0.21	U	1.0	ug/L							

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 8D22002 - EPA 3510C

Blank (8D22002-BLK1) Continued Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 10:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1260	0.21	U	1.0	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.88*			*ug/L*	*1.00*		*88*	*70-130*			

LCS (8D22002-BS2) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 12:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.4		1.0	ug/L	10.0		94	50-150			
PCB-1260	7.4		1.0	ug/L	10.0		74	50-150			
Surrogate: 2,4,5,6-TCMX	*0.73*			*ug/L*	*1.00*		*73*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.72*			*ug/L*	*1.00*		*72*	*70-130*			

Matrix Spike (8D22002-MS2) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 12:52

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.4		1.0	ug/L	10.0	0.19 U	94	43-135			
PCB-1260	7.7		1.0	ug/L	10.0	0.21 U	77	46-142			
Surrogate: 2,4,5,6-TCMX	*0.77*			*ug/L*	*1.00*		*77*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.94*			*ug/L*	*1.00*		*94*	*70-130*			

Matrix Spike Dup (8D22002-MSD2) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 13:16

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.6		1.0	ug/L	10.0	0.19 U	96	43-135	2	23	
PCB-1260	7.7		1.0	ug/L	10.0	0.21 U	77	46-142	0	31	
Surrogate: 2,4,5,6-TCMX	*0.76*			*ug/L*	*1.00*		*76*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.91*			*ug/L*	*1.00*		*91*	*70-130*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D21002 - EPA 3005A

Blank (8D21002-BLK1) Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:21

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

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QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D21002 - EPA 3005A

Blank (8D21002-BLK1) Continued

Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	2.0	U	10.0	ug/L							
Tin	**2.6**	**J**	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (8D21002-BS1)

Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	518		10.0	ug/L	500		104	82-117			
Barium	518		10.0	ug/L	500		104	72-125			
Beryllium	261		1.00	ug/L	250		105	75-121			
Cadmium	266		1.00	ug/L	250		107	72-120			
Chromium	503		10.0	ug/L	500		101	78-119			
Cobalt	499		10.0	ug/L	500		100	76-117			
Copper	252		10.0	ug/L	250		101	80-117			
Lead	510		10.0	ug/L	500		102	72-121			
Nickel	519		10.0	ug/L	500		104	78-116			
Selenium	526		10.0	ug/L	500		105	82-127			
Silver	47.5		10.0	ug/L	50.0		95	80-128			
Tin	488	B	10.0	ug/L	500		98	83-117			
Vanadium	241		10.0	ug/L	250		96	78-117			
Zinc	512		10.0	ug/L	500		102	80-120			

Matrix Spike (8D21002-MS1)

Source: C804069-01

Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	506		10.0	ug/L	500	2.0 U	101	64-126			
Barium	583		10.0	ug/L	500	66.4	103	74-119			
Beryllium	261		1.00	ug/L	250	0.70 U	105	70-131			
Cadmium	262		1.00	ug/L	250	0.50 U	105	68-121			
Chromium	502		10.0	ug/L	500	2.0 U	100	73-120			
Cobalt	510		10.0	ug/L	500	13.3	99	76-120			
Copper	256		10.0	ug/L	250	4.00	101	75-123			
Lead	505		10.0	ug/L	500	2.4	101	68-126			
Nickel	520		10.0	ug/L	500	7.8	102	64-126			
Selenium	524		10.0	ug/L	500	2.0 U	105	65-129			
Silver	48.5		10.0	ug/L	50.0	2.0 U	97	69-121			
Tin	485	B	10.0	ug/L	500	2.0 U	97	81-124			
Vanadium	238		10.0	ug/L	250	1.0 U	95	71-130			
Zinc	518		10.0	ug/L	500	14.7	101	63-131			

Matrix Spike Dup (8D21002-MSD1)

Source: C804069-01

Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	517		10.0	ug/L	500	2.0 U	103	64-126	2	12	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D21002 - EPA 3005A

Matrix Spike Dup (8D21002-MSD1) Continued Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:51

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Barium	595		10.0	ug/L	500	66.4	106	74-119	2	11	
Beryllium	266		1.00	ug/L	250	0.70 U	106	70-131	2	21	
Cadmium	267		1.00	ug/L	250	0.50 U	107	68-121	2	12	
Chromium	510		10.0	ug/L	500	2.0 U	102	73-120	2	10	
Cobalt	521		10.0	ug/L	500	13.3	101	76-120	2	17	
Copper	260		10.0	ug/L	250	4.00	102	75-123	1	16	
Lead	514		10.0	ug/L	500	2.4	102	68-126	2	19	
Nickel	530		10.0	ug/L	500	7.8	104	64-126	2	12	
Selenium	530		10.0	ug/L	500	2.0 U	106	65-129	1	10	
Silver	47.9		10.0	ug/L	50.0	2.0 U	96	69-121	1	12	
Tin	495	B	10.0	ug/L	500	2.0 U	99	81-124	2	18	
Vanadium	242		10.0	ug/L	250	1.0 U	97	71-130	2	16	
Zinc	533		10.0	ug/L	500	14.7	104	63-131	3	24	

Batch 8D21003 - EPA 3005A

Blank (8D21003-BLK1) Prepared: 04/21/2008 07:34 Analyzed: 04/24/2008 14:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	1.00	ug/L							

LCS (8D21003-BS1) Prepared: 04/21/2008 07:34 Analyzed: 04/24/2008 14:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.1		2.00	ug/L	25.0		112	85-115			
Thallium	28.6		1.00	ug/L	25.0		114	85-115			

Matrix Spike (8D21003-MS1) Prepared: 04/21/2008 07:34 Analyzed: 04/24/2008 14:41

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.6		2.00	ug/L	25.0	0.68 U	110	85-115			
Thallium	28.9		1.00	ug/L	25.0	0.120	115	85-115			

Matrix Spike Dup (8D21003-MSD1) Prepared: 04/21/2008 07:34 Analyzed: 04/24/2008 14:44

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0	0.68 U	100	85-115	10	20	
Thallium	26.6		1.00	ug/L	25.0	0.120	106	85-115	8	20	

Batch 8D22007 - EPA 7470A

Blank (8D22007-BLK1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:20

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QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D22007 - EPA 7470A

Blank (8D22007-BLK1) Continued Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:20

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

LCS (8D22007-BS1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.96		0.20	ug/L	5.00		99	87-123			

Matrix Spike (8D22007-MS1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:30

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.75		0.20	ug/L	5.00	0.41	87	63-132			

Matrix Spike Dup (8D22007-MSD1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:34

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.98		0.20	ug/L	5.00	0.41	91	63-132	5	10	

Post Spike (8D22007-PS1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:43

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.55		0.20	ug/L	5.00	0.41	103	0-200			

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

Batch 8D24002 - EPA 3005A

Blank (8D24002-BLK1) Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 14:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.0	U	10.0	ug/L							
Barium	**0.50**	**J**	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**	**J**	10.0	ug/L							

LCS (8D24002-BS1) Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 14:39

QUALITY CONTROL

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

Batch 8D24002 - EPA 3005A

LCS (8D24002-BS1) Continued Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 14:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	488		10.0	ug/L	500		98	82-117			
Barium	516	B	10.0	ug/L	500		103	72-125			
Beryllium	252		1.00	ug/L	250		101	75-121			
Cadmium	256		1.00	ug/L	250		103	72-120			
Chromium	490		10.0	ug/L	500		98	78-119			
Cobalt	484		10.0	ug/L	500		97	76-117			
Copper	247		10.0	ug/L	250		99	80-117			
Lead	487		10.0	ug/L	500		97	72-121			
Nickel	505		10.0	ug/L	500		101	78-116			
Selenium	505		10.0	ug/L	500		101	82-127			
Silver	46.0		10.0	ug/L	50.0		92	80-128			
Vanadium	235		10.0	ug/L	250		94	78-117			
Zinc	497	B	10.0	ug/L	500		99	80-120			

Matrix Spike (8D24002-MS1) Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 14:53

Source: C804069-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	487		10.0	ug/L	500	2.0 U	97	64-126			
Barium	631	B	10.0	ug/L	500	115	103	74-119			
Beryllium	252		1.00	ug/L	250	0.70 U	101	70-131			
Cadmium	250		1.00	ug/L	250	0.50 U	100	68-121			
Chromium	466		10.0	ug/L	500	2.0 U	93	73-120			
Cobalt	584		10.0	ug/L	500	105	96	76-120			
Copper	236		10.0	ug/L	250	0.60 U	94	75-123			
Lead	479		10.0	ug/L	500	2.0 U	96	68-126			
Nickel	514		10.0	ug/L	500	14.9	100	64-126			
Selenium	496		10.0	ug/L	500	2.0 U	99	65-129			
Silver	46.1		10.0	ug/L	50.0	2.0 U	92	69-121			
Vanadium	168		10.0	ug/L	250	1.0 U	67	71-130			QM-07
Zinc	516	B	10.0	ug/L	500	31.0	97	63-131			

Matrix Spike Dup (8D24002-MSD1) Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 15:00

Source: C804069-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	480		10.0	ug/L	500	2.0 U	96	64-126	1	12	
Barium	626	B	10.0	ug/L	500	115	102	74-119	0.9	11	
Beryllium	250		1.00	ug/L	250	0.70 U	100	70-131	0.8	21	
Cadmium	248		1.00	ug/L	250	0.50 U	99	68-121	1	12	
Chromium	462		10.0	ug/L	500	2.0 U	92	73-120	0.8	10	
Cobalt	580		10.0	ug/L	500	105	95	76-120	0.6	17	
Copper	235		10.0	ug/L	250	0.60 U	94	75-123	0.2	16	
Lead	473		10.0	ug/L	500	2.0 U	95	68-126	1	19	
Nickel	507		10.0	ug/L	500	14.9	98	64-126	1	12	
Selenium	491		10.0	ug/L	500	2.0 U	98	65-129	1	10	
Silver	46.5		10.0	ug/L	50.0	2.0 U	93	69-121	0.9	12	
Vanadium	167		10.0	ug/L	250	1.0 U	67	71-130	0.7	16	QM-07

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QUALITY CONTROL

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

Batch 8D24002 - EPA 3005A

Matrix Spike Dup (8D24002-MSD1) Continued Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 15:00

Source: C804069-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	511	B	10.0	ug/L	500	31.0	96	63-131	0.9	24	

Batch 8D24003 - EPA 3005A

Blank (8D24003-BLK1) Prepared: 04/24/2008 07:17 Analyzed: 04/28/2008 11:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	1.00	ug/L							

LCS (8D24003-BS1) Prepared: 04/24/2008 07:17 Analyzed: 04/28/2008 11:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.4		2.00	ug/L	25.0		106	85-115			
Thallium	26.6		1.00	ug/L	25.0		106	85-115			

Matrix Spike (8D24003-MS1) Prepared: 04/24/2008 07:17 Analyzed: 04/28/2008 11:43

Source: C804069-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.9		2.00	ug/L	25.0	0.68 U	107	85-115			
Thallium	26.4		1.00	ug/L	25.0	0.036 U	106	85-115			

Matrix Spike Dup (8D24003-MSD1) Prepared: 04/24/2008 07:17 Analyzed: 04/28/2008 11:46

Source: C804069-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.6		2.00	ug/L	25.0	0.68 U	106	85-115	1	20	
Thallium	26.6		1.00	ug/L	25.0	0.036 U	106	85-115	0.6	20	

Classical Chemistry Parameters - Quality Control

Batch 8D21004 - NO PREP

Blank (8D21004-BLK1) Prepared: 04/21/2008 10:47 Analyzed: 04/22/2008 10:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	4.0	U	5.0	ug/L							

Blank (8D21004-BLK2) Prepared: 04/21/2008 15:38 Analyzed: 04/22/2008 10:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	4.0	U	5.0	ug/L							

LCS (8D21004-BS1) Prepared: 04/21/2008 10:47 Analyzed: 04/22/2008 10:13

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8D21004 - NO PREP

LCS (8D21004-BS1) Continued Prepared: 04/21/2008 10:47 Analyzed: 04/22/2008 10:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	150		5.0	ug/L	150		98	85-115			

Matrix Spike (8D21004-MS1) Prepared: 04/21/2008 15:38 Analyzed: 04/22/2008 10:36

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	72		5.0	ug/L	150	4.0 U	48	85-115			QM-13

Matrix Spike Dup (8D21004-MSD1) Prepared: 04/21/2008 15:38 Analyzed: 04/22/2008 10:38

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	100		5.0	ug/L	150	4.0 U	66	85-115	33	20	QM-13

Batch 8D22027 - NO PREP

Blank (8D22027-BLK1) Prepared: 04/22/2008 14:03 Analyzed: 04/24/2008 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	4.0	U	5.0	ug/L							

LCS (8D22027-BS1) Prepared: 04/22/2008 14:03 Analyzed: 04/24/2008 10:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	150		5.0	ug/L	150		100	85-115			

Matrix Spike (8D22027-MS1) Prepared: 04/22/2008 14:03 Analyzed: 04/24/2008 11:00

Source: C804069-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	84		5.0	ug/L	150	4.0 U	56	85-115			QM-14

Matrix Spike Dup (8D22027-MSD1) Prepared: 04/22/2008 14:03 Analyzed: 04/24/2008 11:02

Source: C804069-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	61		5.0	ug/L	150	4.0 U	41	85-115	32	20	QM-14

Batch 8D23004 - NO PREP

Blank (8D23004-BLK1) Prepared & Analyzed: 04/21/2008 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.10	U	0.10	mg/L							

LCS (8D23004-BS1) Prepared & Analyzed: 04/21/2008 14:08

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QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8D23004 - NO PREP

LCS (8D23004-BS1) Continued

Prepared & Analyzed: 04/21/2008 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.39		0.10	mg/L	0.401		98	80-120			

LCS Dup (8D23004-BSD1)

Prepared & Analyzed: 04/21/2008 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.40		0.10	mg/L	0.401		100	80-120	3	200	

Duplicate (8D23004-DUP1)

Prepared & Analyzed: 04/21/2008 14:08

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.10	U	0.10	mg/L		0.10 U				200	

Batch 8D23015 - NO PREP

Blank (8D23015-BLK1)

Prepared: 04/23/2008 11:03 Analyzed: 04/23/2008 14:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	480	U	5000	ug/L							

LCS (8D23015-BS1)

Prepared: 04/23/2008 11:03 Analyzed: 04/23/2008 14:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100		104	80-120			

Matrix Spike (8D23015-MS1)

Prepared: 04/23/2008 11:03 Analyzed: 04/23/2008 14:39

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	110		5.0	mg/L	100	1.7	104	80-120			

Matrix Spike Dup (8D23015-MSD1)

Prepared: 04/23/2008 11:03 Analyzed: 04/23/2008 14:40

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100	1.7	99	80-120	4	25	

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 8D22005 - EPA 3510C

Blank (8D22005-BLK1)

Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 04:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	0.12	U	0.50	ug/L							
Pentachlorophenol	0.13	U	0.50	ug/L							

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QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 8D22005 - EPA 3510C

Blank (8D22005-BLK1) Continued

Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 04:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	0.11	U	0.50	ug/L							
2,4,5-T	0.11	U	0.50	ug/L							
Dinoseb	0.23	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*2.1*			*ug/L*	*2.00*		*104*	*77-191*			

LCS (8D22005-BS1)

Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 04:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	2.1		0.50	ug/L	2.00		105	85-140			
2,4,5-TP (Silvex)	2.7		0.50	ug/L	2.00		136	74-177			
Surrogate: 2,4-DCAA	*2.4*			*ug/L*	*2.00*		*122*	*77-191*			

Matrix Spike (8D22005-MS1)

Source: C804069-01

Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 05:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	2.3		0.50	ug/L	2.00	0.21 U	113	85-140			
2,4,5-TP (Silvex)	2.9		0.50	ug/L	2.00	0.12 U	144	74-177			
Surrogate: 2,4-DCAA	*2.9*			*ug/L*	*2.00*		*144*	*77-191*			

Matrix Spike Dup (8D22005-MSD1)

Source: C804069-01

Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 05:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	2.1		0.50	ug/L	2.00	0.21 U	107	85-140	5	18	
2,4,5-TP (Silvex)	2.8		0.50	ug/L	2.00	0.12 U	141	74-177	2	10	
Surrogate: 2,4-DCAA	*2.8*			*ug/L*	*2.00*		*139*	*77-191*			

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FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-13	Suspected matrix effects
QM-14	Confirmed matrix effects
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

Supplemental Sample Information

Prepared for

Alexander County Landfill - Permit #02-01
Taylorsville, Alexander County, North Carolina

MESCO Project Number: G07060.0

Completed on 5/15/2008

Municipal Services Garner, NC
Engineering Company, P.A. Boone, NC

Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

1 SUPPLIMENTAL SAMPLE INFORMATION

Appendix II sampling was performed on monitoring wells MW-16, MW-24, and MW-26 on April 17, 2008. Only Appendix I constituents were detected. Detected constituent results were similar to the January 2008 results. Table E-1 summarizes detected constituents in MW-16, MW-24 and MW-26.

Monitoring wells MW-5, MW-11, MW-1B and MW-19 were sampled for Appendix I metals on April 17, 2008. Split samples were collected from these monitoring wells and analyzed for Appendix I total metals and Appendix I dissolved metals. Dissolved metal analysis was performed on laboratory filtered samples. Table E-2 summarizes detected metal constituents, with the J qualitative code excluded. Table E-3 summarizes detected metal constituents, with the J qualitative code included.

Supplemental sampling detected Barium, Chromium, Cobalt, Copper and Zinc at quantifiable levels. Sample results did not exceed NCAC 2L levels for any of the detected constituents. Uniquely, dissolved Chromium in MW-19 and dissolved Zinc in MW-1B exceeded their total concentrations. Based on sample results, it appears that total metals and dissolved metals are essentially equal, indicating a fully developed well and care to limit total suspended solids while sampling.

Interwell statistical analysis could not be performed due to the hydrogeology. There is no true un-impacted up-gradient background well. Intrawell analysis performed on detected metals did not identify any statistically significant results. As reported, Barium, Chromium, Cobalt, Copper and Zinc have been detected in surface water samples, multiple monitoring wells, background samples, and NURE sediment samples. It has been identified that the primary source of impact is from landfill gas migration. Typically metals have a limited occurrence in landfill gas. Based on sample results, natural occurrence of metals and the identified source of impact inorganic Appendix I metals are currently not constituents of concern.

Respectfully submitted,

MUNICIPAL ENGINEERING SERVICES COMPANY, P.A.

Ethan J. Caldwell, P.G.

Professional Geologist

Table E-1: Supplemental Sample Data

Well ID	Parameter Name[1]	Sample Date	Result	Unit	Qual Code	PQL[2]	NCGW2L[3]	2L Exceedance
MW-16	1,1-Dichloroethane	04/17/2008	15	ug/L		0.090	70	
MW-16	**1,2-Dichloropropane**	**04/17/2008**	**1**	**ug/L**		**0.18**	**0.51**	**0.49**
MW-16	**1,4-Dichlorobenzene**	**04/17/2008**	**1.6**	**ug/L**		**0.15**	**1.4**	**0.2**
MW-16	Barium	04/17/2008	66.4	ug/L	J	0.20	2000	
MW-16	**Benzene**	**04/17/2008**	**3.6**	**ug/L**		**0.12**	**1**	**2.6**
MW-16	Chloride	04/17/2008	1700	ug/L	J	480	250000	
MW-16	cis-1,2-Dichloroethene	04/17/2008	12	ug/L		0.14	70	
MW-16	Cobalt	04/17/2008	13.3	ug/L		2.0	70[4]	
MW-16	Copper	04/17/2008	4	ug/L	J	0.60	1000	
MW-16	Lead	04/17/2008	2.4	ug/L	J	2.0	15	
MW-16	Mercury	04/17/2008	0.41	ug/L		0.11	1.1	
MW-16	Methylene chloride	04/17/2008	3.8	ug/L		0.088	4.6	
MW-16	Nickel	04/17/2008	7.8	ug/L	J	2.0	100	
MW-16	**Tetrachloroethene**	**04/17/2008**	**3.3**	**ug/L**		**0.25**	**0.7**	**2.6**
MW-16	Thallium	04/17/2008	0.12	ug/L	J	0.036	0.28[4]	
MW-16	**Trichloroethene**	**04/17/2008**	**3.6**	**ug/L**		**0.23**	**2.8**	**0.8**
MW-16	Xylenes	04/17/2008	2.6	ug/L	J	0.21	530	
MW-16	Zinc	04/17/2008	14.7	ug/L		1.0	1050	
MW-24	1,1-Dichloroethane	04/17/2008	1.2	ug/L	J	0.090	70	
MW-24	**1,4-Dichlorobenzene**	**04/17/2008**	**2.5**	**ug/L**		**0.15**	**1.4**	**1.1**
MW-24	Barium	04/17/2008	90.6	ug/L	J	0.20	2000	
MW-24	**Benzene**	**04/17/2008**	**1.3**	**ug/L**		**0.12**	**1**	**0.3**
MW-24	Chlorobenzene	04/17/2008	0.58	ug/L	J	0.16	50	
MW-24	cis-1,2-Dichloroethene	04/17/2008	7.2	ug/L		0.14	70	
MW-24	Cobalt	04/17/2008	38.1	ug/L		2.0	70[4]	
MW-24	Mercury	04/17/2008	0.13	ug/L	J	0.11	1.1	
MW-24	Nickel	04/17/2008	4.5	ug/L	J	2.0	100	
MW-24	Zinc	04/17/2008	12.3	ug/L		1.0	1050	
MW-26	1,1-Dichloroethane	04/17/2008	1.6	ug/L	J	0.090	70	
MW-26	**1,4-Dichlorobenzene**	**04/17/2008**	**3.2**	**ug/L**		**0.15**	**1.4**	**1.8**
MW-26	Barium	04/17/2008	105	ug/L		0.20	2000	
MW-26	**Benzene**	**04/17/2008**	**1.6**	**ug/L**		**0.12**	**1**	**0.6**
MW-26	Chlorobenzene	04/17/2008	0.81	ug/L	J	0.16	50	
MW-26	Chloroethane	04/17/2008	1.5	ug/L	J	0.40	2800	
MW-26	cis-1,2-Dichloroethene	04/17/2008	26	ug/L		0.14	70	
MW-26	Cobalt	04/17/2008	85.2	ug/L		2.0	70[4]	
MW-26	Lead	04/17/2008	2.7	ug/L	J	2.0	15	
MW-26	Nickel	04/17/2008	20.7	ug/L	J	2.0	100	
MW-26	Tetrachloroethene	04/17/2008	0.48	ug/L	J	0.25	0.7	
MW-26	Thallium	04/17/2008	0.114	ug/L	J	0.036	0.28[4]	
MW-26	Trichloroethene	04/17/2008	0.43	ug/L	J	0.23	2.8	
MW-26	Zinc	04/17/2008	38.4	ug/L		1.0	1050	

[1] Table only contains detected constituents.

[2] PQL = Practical Quantitation Limit

[3] NCGW2L = North Carolina Ground Water 2L Standard

[4] North Carolina Ground Protection Standard

Table E-2: Metal Analysis - Total vs. Dissolved - J data excluded

Well ID	Parameter Name[1]	Sample Date	Result	Unit	Qual Code	PQL[2]	NCGW2L[3]	2L Exceedance
MW-11	Barium	04/17/2008	116	ug/L		0.20	2000	
MW-11	Barium (Dissolved)	04/17/2008	115	ug/L	B	0.20	2000	
MW-5	Barium	04/17/2008	108	ug/L		0.20	2000	
MW-19	Chromium (Dissolved)	04/17/2008	20.3	ug/L		2.0	50	
MW-19	Chromium	04/17/2008	11.4	ug/L		2.0	50	
MW-11	Cobalt	04/17/2008	113	ug/L		2.0	70[4]	
MW-11	Cobalt (Dissolved)	04/17/2008	105	ug/L		2.0	70[4]	
MW-1B	Cobalt	04/17/2008	58	ug/L		2.0	70[4]	
MW-1B	Cobalt (Dissolved)	04/17/2008	54.9	ug/L		2.0	70[4]	
MW-5	Cobalt	04/17/2008	12.4	ug/L		2.0	70[4]	
MW-19	Copper	04/17/2008	22.3	ug/L		0.60	1000	
MW-19	Copper (Dissolved)	04/17/2008	15.7	ug/L		0.60	1000	
MW-11	Zinc	04/17/2008	32.7	ug/L		1.0	1050	
MW-11	Zinc (Dissolved)	04/17/2008	31	ug/L	B	1.0	1050	
MW-19	Zinc	04/17/2008	26.2	ug/L		1.0	1050	
MW-19	Zinc (Dissolved)	04/17/2008	15.3	ug/L	B	1.0	1050	
MW-1B	Zinc (Dissolved)	04/17/2008	16.6	ug/L	B	1.0	1050	
MW-1B	Zinc	04/17/2008	16.1	ug/L		1.0	1050	

[1] Table only contains detected constituents.
[2] PQL = Practical Quantitation Limit
[3] NCGW2L = North Carolina Ground Water 2L Standard
[4] Groundwater Protection Standard
B = Analyte was detected in the associated method blank

Table E-3: Metal Analysis - Total vs. Dissolved

Well ID	Parameter Name[1]	Sample Date	Result	Unit	Qual Code	PQL[2]	NCGW2L[3]	2L Exceedance
MW-11	Barium	04/17/2008	116	ug/L		0.20	2000	
MW-11	Barium (Dissolved)	04/17/2008	115	ug/L	B	0.20	2000	
MW-19	Barium	04/17/2008	78.1	ug/L	J	0.20	2000	
MW-19	Barium (Dissolved)	04/17/2008	67.2	ug/L	B,J	0.20	2000	
MW-1B	Barium	04/17/2008	89.6	ug/L	J	0.20	2000	
MW-1B	Barium (Dissolved)	04/17/2008	85.5	ug/L	B,J	0.20	2000	
MW-5	Barium	04/17/2008	108	ug/L		0.20	2000	
MW-5	Barium (Dissolved)	04/17/2008	98.1	ug/L	B,J	0.20	2000	
MW-19	Chromium (Dissolved)	04/17/2008	20.3	ug/L		2.0	50	
MW-19	Chromium	04/17/2008	11.4	ug/L		2.0	50	
MW-11	Cobalt	04/17/2008	113	ug/L		2.0	70[4]	
MW-11	Cobalt (Dissolved)	04/17/2008	105	ug/L		2.0	70[4]	
MW-19	Cobalt (Dissolved)	04/17/2008	2	ug/L	J	2.0	70[4]	
MW-1B	Cobalt	04/17/2008	58	ug/L		2.0	70[4]	
MW-1B	Cobalt (Dissolved)	04/17/2008	54.9	ug/L		2.0	70[4]	
MW-5	Cobalt	04/17/2008	12.4	ug/L		2.0	70[4]	
MW-5	Cobalt (Dissolved)	04/17/2008	9.3	ug/L	J	2.0	70[4]	
MW-19	Copper	04/17/2008	22.3	ug/L		0.60	1000	
MW-19	Copper (Dissolved)	04/17/2008	15.7	ug/L		0.60	1000	
MW-1B	Copper (Dissolved)	04/17/2008	1.4	ug/L	J	0.60	1000	
MW-1B	Copper	04/17/2008	1	ug/L	J	0.60	1000	
MW-19	Lead (Dissolved)	04/17/2008	4.8	ug/L	J	2.0	15	
MW-19	Lead	04/17/2008	4.5	ug/L	J	2.0	15	
MW-1B	Lead (Dissolved)	04/17/2008	2.3	ug/L	J	2.0	15	
MW-5	Lead (Dissolved)	04/17/2008	2.3	ug/L	J	2.0	15	
MW-11	Nickel (Dissolved)	04/17/2008	14.9	ug/L	J	2.0	100	
MW-11	Nickel	04/17/2008	14.6	ug/L	J	2.0	100	
MW-19	Nickel (Dissolved)	04/17/2008	21.3	ug/L	J	2.0	100	
MW-19	Nickel	04/17/2008	9.5	ug/L	J	2.0	100	
MW-1B	Nickel (Dissolved)	04/17/2008	7.8	ug/L	J	2.0	100	
MW-1B	Nickel	04/17/2008	6.8	ug/L	J	2.0	100	
MW-11	Thallium (Dissolved)	04/17/2008	0.302	ug/L	J	0.036	0.28[4]	
MW-11	Thallium	04/17/2008	0.195	ug/L	J	0.036	0.28[4]	
MW-19	Thallium (Dissolved)	04/17/2008	0.073	ug/L	J	0.036	0.28[4]	
MW-19	Thallium	04/17/2008	0.043	ug/L	J	0.036	0.28[4]	
MW-1B	Thallium (Dissolved)	04/17/2008	0.121	ug/L	J	0.036	0.28[4]	
MW-1B	Thallium	04/17/2008	0.06	ug/L	J	0.036	0.28[4]	
MW-19	Vanadium	04/17/2008	13	ug/L	J	1.0	3.5[4]	
MW-19	Vanadium (Dissolved)	04/17/2008	12.1	ug/L	J	1.0	3.5[4]	
MW-11	Zinc	04/17/2008	32.7	ug/L		1.0	1050	
MW-11	Zinc (Dissolved)	04/17/2008	31	ug/L	B	1.0	1050	
MW-19	Zinc	04/17/2008	26.2	ug/L		1.0	1050	
MW-19	Zinc (Dissolved)	04/17/2008	15.3	ug/L	B	1.0	1050	
MW-1B	Zinc (Dissolved)	04/17/2008	16.6	ug/L	B	1.0	1050	
MW-1B	Zinc	04/17/2008	16.1	ug/L		1.0	1050	
MW-5	Zinc (Dissolved)	04/17/2008	2.6	ug/L	JB	1.0	1050	
MW-5	Zinc	04/17/2008	1.7	ug/L	J	1.0	1050	

[1] Table only contains detected constituents.

[2] PQL = Practical Quantitation Limit

[3] NCGW2L = North Carolina Ground Water 2L Standard

[4] Groundwater Protection Standard

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-5

Parameter: Barium, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 27.5862%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 29
Maximum Baseline Concentration = 3490
Confidence Level = 96.7%
False Positive Rate = 3.3%

Baseline Samples	Date	Result
	10/1/1994	3490
	1/31/1995	1980
	2/15/1995	1450
	3/7/1995	1820
	12/7/1995	ND<500
	5/6/1996	ND<500
	11/11/1996	1600
	6/24/1997	180
	12/3/1997	720
	6/4/1998	1800
	11/18/1998	2800
	5/13/1999	320
	12/6/1999	94
	5/17/2000	380
	12/11/2000	310
	6/13/2001	320
	12/27/2001	190
	6/13/2002	220
	1/2/2003	150
	6/24/2003	140
	12/12/2003	ND<500
	6/15/2004	ND<500
	12/29/2004	ND<500
	6/22/2005	ND<500
	1/12/2006	ND<500
	7/7/2006	ND<500
	12/14/2006	70.8
	6/27/2007	59
	12/19/2007	102

Date	Samples	Mean	Impacted
4/17/2008	2	103.05	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-11

Parameter: Barium, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 40%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 1000
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	12/11/2000	830
	6/12/2001	700
	12/27/2001	1000
	6/13/2002	530
	1/3/2003	120
	6/24/2003	150
	12/11/2003	ND<500
	6/15/2004	ND<500
	12/29/2004	ND<500
	6/22/2005	ND<500
	1/12/2006	ND<500
	7/7/2006	ND<500
	12/14/2006	107
	6/27/2007	104
	12/27/2007	304

Date	Samples	Mean	Impacted
4/17/2008	2	115.5	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-19

Parameter: Chromium, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 6.66667%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 20.3
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	1/8/2008	ND<2
	4/17/2008	20.3
	4/17/2008	11.4

Date	Samples	Mean	Impacted
4/17/2008	2	15.85	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-11

Parameter: Cobalt, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 340
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	12/11/2000	340
	6/12/2001	130
	12/27/2001	140
	6/13/2002	120
	1/3/2003	140
	6/24/2003	160
	12/11/2003	120
	6/15/2004	120
	12/29/2004	120
	6/22/2005	110
	1/12/2006	100
	7/7/2006	110
	12/14/2006	117
	6/27/2007	98.9
	12/27/2007	107

Date	Samples	Mean	Impacted
4/17/2008	2	109	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-1B

Parameter: Cobalt, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 120
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	6/25/2003	29
	12/11/2003	38
	6/16/2004	51
	12/30/2004	120
	6/23/2005	67
	1/13/2006	60
	7/6/2006	65.1
	12/15/2006	69.8
	6/28/2007	42.6
	12/28/2007	59.7
	4/17/2008	54.9
	4/17/2008	58

Date	Samples	Mean	Impacted
4/17/2008	2	56.45	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-5

Parameter: Cobalt, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 1400
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	10/1/1994	900
	1/31/1995	496
	2/15/1995	454
	3/7/1995	320
	12/7/1995	88
	5/6/1996	157
	11/11/1996	76
	6/24/1997	36
	12/3/1997	350
	6/4/1998	1400
	11/18/1998	850
	5/13/1999	81
	12/6/1999	16
	5/17/2000	64
	12/11/2000	71

Date	Samples	Mean	Impacted
4/17/2008	2	10.85	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-19

Parameter: Copper

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 22.3
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	1/8/2008	4.2
	4/17/2008	15.7
	4/17/2008	22.3

Date	Samples	Mean	Impacted
4/17/2008	2	19	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-19

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 26.2
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	1/8/2008	3.8
	4/17/2008	26.2
	4/17/2008	15.3

Date	Samples	Mean	Impacted
4/17/2008	2	20.75	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-11

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 26.6667%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 560
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	12/11/2000	560
	6/12/2001	410
	12/27/2001	250
	6/13/2002	190
	1/3/2003	62
	6/24/2003	93
	12/11/2003	70
	6/15/2004	98
	12/29/2004	ND<50
	6/22/2005	ND<50
	1/12/2006	ND<50
	7/7/2006	ND<50
	12/14/2006	32.5
	6/27/2007	40.7
	12/27/2007	246

Date	Samples	Mean	Impacted
4/17/2008	2	31.85	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW-1B

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 33.3333%
Future Samples (k) = 1
Recent Dates = 1
Baseline Samples (n) = 15
Maximum Baseline Concentration = 150
Confidence Level = 93.8%
False Positive Rate = 6.2%

Baseline Samples	Date	Result
	6/25/2003	23
	12/11/2003	150
	6/16/2004	ND<50
	12/30/2004	ND<50
	6/23/2005	ND<50
	1/13/2006	ND<50
	7/6/2006	ND<50
	12/15/2006	15.1
	6/28/2007	28.9
	12/28/2007	22.5
	4/17/2008	16.1
	4/17/2008	16.6

Date	Samples	Mean	Impacted
4/17/2008	2	16.35	FALSE

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

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Wednesday, April 30, 2008

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G07003.0, Project Name/Desc: Alexander Co. Closed C&D
ENCO Workorder: C804069

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 18, 2008.

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

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

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

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

Sincerely,

Chuck Smith

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 66.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-16 MS/MSD	Lab ID: C804069-01	Sampled: 04/17/08 11:30	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 376.2	04/24/08	04/21/08 14:08	4/21/2008 14:08
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 11:37
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 14:38
EPA 7470A	05/15/08	04/22/08 09:33	4/23/2008 16:27
EPA 8081A	04/24/08 06/01/08	04/22/08 07:26	4/23/2008 13:40
EPA 8082	04/17/09 04/22/09	04/22/08 07:26	4/23/2008 13:40
EPA 8151A	04/24/08 06/01/08	04/22/08 11:14	4/25/2008 06:15
EPA 8260B	05/01/08	04/23/08 13:42	4/24/2008 04:09
EPA 8270C	04/24/08 05/31/08	04/21/08 17:30	4/23/2008 19:19
SM4500-Cl/E	05/15/08	04/23/08 11:03	4/23/2008 14:39

Client ID: MW-16 MS/MSD	Lab ID: C804069-01RE1	Sampled: 04/17/08 11:30	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 9014	05/01/08	04/22/08 14:03	4/24/2008 10:58

Client ID: MW-24	Lab ID: C804069-02	Sampled: 04/17/08 08:30	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 376.2	04/24/08	04/21/08 14:08	4/21/2008 14:08
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:00
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 14:52
EPA 7470A	05/15/08	04/22/08 09:33	4/23/2008 17:28
EPA 8081A	04/24/08 06/01/08	04/22/08 07:26	4/23/2008 15:15
EPA 8082	04/17/09 04/22/09	04/22/08 07:26	4/23/2008 15:15
EPA 8151A	04/24/08 06/01/08	04/22/08 11:14	4/25/2008 15:08
EPA 8260B	05/01/08	04/21/08 09:52	4/22/2008 14:12
EPA 8270C	04/24/08 05/31/08	04/21/08 17:30	4/23/2008 19:46

Client ID: MW-24	Lab ID: C804069-02RE1	Sampled: 04/17/08 08:30	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 9014	05/01/08	04/22/08 14:03	4/24/2008 11:04

Client ID: MW-26	Lab ID: C804069-03	Sampled: 04/17/08 10:00	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 376.2	04/24/08	04/21/08 14:08	4/21/2008 14:08
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:07
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 14:55
EPA 7470A	05/15/08	04/22/08 09:33	4/23/2008 17:31
EPA 8081A	04/24/08 06/01/08	04/22/08 07:26	4/23/2008 15:40
EPA 8082	04/17/09 04/22/09	04/22/08 07:26	4/23/2008 15:40
EPA 8151A	04/24/08 06/01/08	04/22/08 11:14	4/25/2008 15:40
EPA 8260B	05/01/08	04/21/08 09:52	4/22/2008 14:41
EPA 8270C	04/24/08 05/31/08	04/21/08 17:30	4/23/2008 20:14

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Client ID: MW-26	Lab ID: C804069-03RE1	Sampled: 04/17/08 10:00	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 9014	05/01/08	04/22/08 14:03	4/24/2008 11:06

Client ID: MW-11	Lab ID: C804069-04	Sampled: 04/17/08 12:10	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:14
EPA 6010B	10/14/08	04/24/08 07:14	4/28/2008 14:46
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 14:57
EPA 6020	10/14/08	04/24/08 07:17	4/28/2008 11:49

Client ID: MW-5	Lab ID: C804069-05	Sampled: 04/17/08 13:00	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:21
EPA 6010B	10/14/08	04/24/08 07:14	4/28/2008 15:07
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 15:09
EPA 6020	10/14/08	04/24/08 07:17	4/28/2008 11:41

Client ID: MW-1B	Lab ID: C804069-06	Sampled: 04/17/08 13:40	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:28
EPA 6010B	10/14/08	04/24/08 07:14	4/28/2008 15:30
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 15:11
EPA 6020	10/14/08	04/24/08 07:17	4/28/2008 11:52

Client ID: MW-19	Lab ID: C804069-07	Sampled: 04/17/08 14:40	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	10/14/08	04/21/08 07:27	4/23/2008 12:51
EPA 6010B	10/14/08	04/24/08 07:14	4/28/2008 15:37
EPA 6020	10/14/08	04/21/08 07:34	4/24/2008 15:14
EPA 6020	10/14/08	04/24/08 07:17	4/28/2008 11:54

Client ID: TB	Lab ID: C804069-10	Sampled: 04/17/08 00:00	Received: 04/18/08 11:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	05/01/08	04/22/08 12:57	4/22/2008 21:29

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-16 MS/MSD — **Lab ID: C804069-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	15		1	0.090	1.0	5	ug/L	EPA 8260B	
1,2-Dichloropropane	1.0		1	0.18	1.0	1	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.6		1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	66.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	3.6		1	0.12	1.0	1	ug/L	EPA 8260B	
Chloride	1700	J	1	480	5000	NE	ug/L	SM4500-Cl/E	
cis-1,2-Dichloroethene	12		1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	13.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	4.00	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Mercury	0.41		1	0.11	0.20	0.2	ug/L	EPA 7470A	
Methylene chloride	3.8		1	0.088	1.0	1	ug/L	EPA 8260B	
Nickel	7.8	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	3.3		1	0.25	1.0	1	ug/L	EPA 8260B	
Thallium	0.120	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Trichloroethene	3.6		1	0.23	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	2.6	J	1	0.21	1.0	5	ug/L	EPA 8260B	
Zinc	14.7		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-24 — **Lab ID: C804069-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.2	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.5		1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	90.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	1.3		1	0.12	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.58	J	1	0.16	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	7.2		1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	38.1		1	2.0	10.0	10	ug/L	EPA 6010B	
Mercury	0.13	J	1	0.11	0.20	0.2	ug/L	EPA 7470A	
Nickel	4.5	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Zinc	12.3		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-26 — **Lab ID: C804069-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.6	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.2		1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	105		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	1.6		1	0.12	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.81	J	1	0.16	1.0	3	ug/L	EPA 8260B	
Chloroethane	1.5	J	1	0.40	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	26		1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	85.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	2.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	20.7	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	0.48	J	1	0.25	1.0	1	ug/L	EPA 8260B	
Thallium	0.114	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Trichloroethene	0.43	J	1	0.23	1.0	1	ug/L	EPA 8260B	
Zinc	38.4		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-11						Lab ID: C804069-04			
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	115	B	1	0.20	10.0	100	ug/L	EPA 6010B	
Barium	116		1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	113		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	105		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	14.9	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Nickel	14.6	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.195	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Thallium	0.302	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	32.7		1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc	31.0	B	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-5						Lab ID: C804069-05			
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	108		1	0.20	10.0	100	ug/L	EPA 6010B	
Barium	98.1	JB	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	12.4		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	9.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Zinc	1.7	J	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc	2.6	JB	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-18						Lab ID: C804069-06			
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	85.5	JB	1	0.20	10.0	100	ug/L	EPA 6010B	
Barium	89.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	54.9		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	58.0		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	1.00	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Copper	1.40	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	6.8	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Nickel	7.8	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.121	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Thallium	0.060	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	16.6	B	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc	16.1		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-19						Lab ID: C804069-07			
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	67.2	JB	1	0.20	10.0	100	ug/L	EPA 6010B	
Barium	78.1	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	20.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Chromium	11.4		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	15.7		1	0.60	10.0	10	ug/L	EPA 6010B	
Copper	22.3		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	4.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	4.5	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	9.5	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Nickel	21.3	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.043	J	1	0.036	1.00	5.5	ug/L	EPA 6020	

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Client ID:	MW-19						Lab ID:	C804069-07		
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Thallium	0.073	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	12.1	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Vanadium	13.0	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	15.3	B	1	1.0	10.0	10	ug/L	EPA 6010B	
Zinc	26.2		1	1.0	10.0	10	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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	04/24/08 04:09	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,1-Dichloroethane [75-34-3] ^	**15**		ug/L	1	0.090	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,1-Dichloropropene [563-58-6] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,2-Dichloropropane [78-87-5] ^	**1.0**		ug/L	1	0.18	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
1,3-Dichloropropane [142-28-9] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**1.6**		ug/L	1	0.15	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
2,2-Dichloropropane [594-20-7] ^	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	04/24/08 04:09	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	04/24/08 04:09	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	04/24/08 04:09	jkg	
3-Chloropropene [107-05-1] ^	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	04/24/08 04:09	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	04/24/08 04:09	jkg	
Acetonitrile [75-05-8] ^	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	04/24/08 04:09	jkg	
Acrolein [107-02-8] ^	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	04/24/08 04:09	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	04/24/08 04:09	jkg	
Benzene [71-43-2] ^	**3.6**		ug/L	1	0.12	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	04/24/08 04:09	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Chloroprene [126-99-8] ^	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	04/24/08 04:09	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**12**		ug/L	1	0.14	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	04/24/08 04:09	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/24/08 04:09	jkg	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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
Ethyl Methacrylate [97-63-2] ^	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	04/24/08 04:09	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Hexachlorobutadiene [87-68-3] ^	0.33	U	ug/L	1	0.33	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	04/24/08 04:09	jkg	
Isobutyl alcohol [78-83-1] ^	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	04/24/08 04:09	jkg	
Methacrylonitrile [126-98-7] ^	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	04/24/08 04:09	jkg	
Methyl Methacrylate [80-62-6] ^	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	04/24/08 04:09	jkg	
Methylene chloride [75-09-2] ^	**3.8**		ug/L	1	0.088	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Naphthalene [91-20-3] ^	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	04/24/08 04:09	jkg	
Propionitrile [107-12-0] ^	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	04/24/08 04:09	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Tetrachloroethene [127-18-4] ^	**3.3**		ug/L	1	0.25	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	04/24/08 04:09	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	04/24/08 04:09	jkg	
Trichloroethene [79-01-6] ^	**3.6**		ug/L	1	0.23	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	04/24/08 04:09	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/24/08 04:09	jkg	
Xylenes (Total) [1330-20-7]	**2.6**	J	ug/L	1	0.21	1.0	5	EPA 8260B	04/24/08 04:09	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*77 %*	*69-120*	*8D23026*	*EPA 8260B*	*04/24/08 04:09*	*jkg*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*61-120*	*8D23026*	*EPA 8260B*	*04/24/08 04:09*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*75-99*	*8D23026*	*EPA 8260B*	*04/24/08 04:09*	*jkg*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 19:19	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:19	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
1,4-Naphthoquinone [130-15-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
1-Naphthylamine [134-32-7] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	04/23/08 19:19	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 19:19	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Acetylaminofluorene [53-96-3] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	04/23/08 19:19	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	04/23/08 19:19	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Naphthylamine [91-59-8] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 19:19	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 19:19	DFM	
3 & 4-Methylphenol	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	04/23/08 19:19	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 19:19	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	04/23/08 19:19	DFM	
4-Aminobiphenyl [92-67-1] ^	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	04/23/08 19:19	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 19:19	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	04/23/08 19:19	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 19:19	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 19:19	DFM	
5-Nitro-o-toluidine [99-55-8] ^	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	04/23/08 19:19	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Acetophenone [98-86-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	10	15	EPA 8270C	04/23/08 19:19	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:19	DFM	
Chlorobenzilate [510-15-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Diallate [2303-16-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
Dimethoate [60-51-5] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Disulfoton [298-04-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 19:19	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 19:19	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	04/23/08 19:19	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 19:19	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:19	DFM	
Kepone [143-50-0] ^	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	04/23/08 19:19	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	04/23/08 19:19	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	04/23/08 19:19	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	

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^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 19:19	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:19	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 19:19	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:19	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 19:19	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	04/23/08 19:19	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:19	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:19	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	04/23/08 19:19	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*75*	*1*	*100*	*75 %*	*40-124*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
2-Fluorobiphenyl	*37*	*1*	*50.0*	*74 %*	*36-100*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
2-Fluorophenol	*50*	*1*	*100*	*50 %*	*38-71*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
Nitrobenzene-d5	*38*	*1*	*50.0*	*77 %*	*45-92*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
Phenol-d5	*34*	*1*	*100*	*34 %*	*30-56*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*78 %*	*50-139*	*8D21028*	*EPA 8270C*	*04/23/08 19:19*	*DFM*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
4,4'-DDE [72-55-9] ^	0.93	U	ug/L	1	0.93	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
4,4'-DDT [50-29-3] ^	0.52	U	ug/L	1	0.52	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Aldrin [309-00-2] ^	0.53	U	ug/L	1	0.53	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
alpha-BHC [319-84-6] ^	0.45	U	ug/L	1	0.45	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
beta-BHC [319-85-7] ^	0.49	U	ug/L	1	0.49	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
Chlordane (tech) [12789-03-6] ^	1.1	U	ug/L	1	1.1	17	0.5	EPA 8081A	04/23/08 13:40	JHH	
Chlordane-alpha [5103-71-9] ^	0.58	U	ug/L	1	0.58	1.7	NE	EPA 8081A	04/23/08 13:40	JHH	
Chlordane-gamma [NA] ^	0.56	U	ug/L	1	0.56	1.7	NE	EPA 8081A	04/23/08 13:40	JHH	
delta-BHC [319-86-8] ^	0.38	U	ug/L	1	0.38	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
Dieldrin [60-57-1] ^	0.58	U	ug/L	1	0.58	1.7	0.075	EPA 8081A	04/23/08 13:40	JHH	
Endosulfan I [959-98-8] ^	0.69	U	ug/L	1	0.69	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Endosulfan II [33213-65-9] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Endosulfan sulfate [1031-07-8] ^	0.54	U	ug/L	1	0.54	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Endrin [72-20-8] ^	0.50	U	ug/L	1	0.50	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
Endrin aldehyde [7421-93-4] ^	0.83	U	ug/L	1	0.83	1.7	0.1	EPA 8081A	04/23/08 13:40	JHH	
gamma-BHC [58-89-9] ^	0.67	U	ug/L	1	0.67	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
Heptachlor [76-44-8] ^	0.68	U	ug/L	1	0.68	1.7	0.05	EPA 8081A	04/23/08 13:40	JHH	
Heptachlor epoxide [1024-57-3] ^	0.57	U	ug/L	1	0.57	1.7	0.075	EPA 8081A	04/23/08 13:40	JHH	
Methoxychlor [72-43-5] ^	0.92	U	ug/L	1	0.92	1.7	1	EPA 8081A	04/23/08 13:40	JHH	
Toxaphene [8001-35-2] ^	10	U	ug/L	1	10	33	1.5	EPA 8081A	04/23/08 13:40	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.83*	*1*	*1.00*	*83 %*	*39-151*	*8D22002*	*EPA 8081A*	*04/23/08 13:40*	*JHH*	
Decachlorobiphenyl	*0.92*	*1*	*1.00*	*92 %*	*70-130*	*8D22002*	*EPA 8081A*	*04/23/08 13:40*	*JHH*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	1.0	2	EPA 8082	04/23/08 13:40	JHH	
PCB-1221 [11104-28-2] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	
PCB-1232 [11141-16-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	
PCB-1248 [12672-29-6] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	
PCB-1254 [11097-69-1] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	
PCB-1260 [11096-82-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 13:40	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.83*	*1*	*1.00*	*83 %*	*39-151*	*8D22002*	*EPA 8082*	*04/23/08 13:40*	*JHH*	
Decachlorobiphenyl	*0.92*	*1*	*1.00*	*92 %*	*70-130*	*8D22002*	*EPA 8082*	*04/23/08 13:40*	*JHH*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 14:38	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Barium [7440-39-3] ^	**66.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 11:37	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 11:37	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 11:37	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Cobalt [7440-48-4] ^	**13.3**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Copper [7440-50-8] ^	**4.00**	J	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Lead [7439-92-1] ^	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Mercury [7439-97-6] ^	**0.41**		ug/L	1	0.11	0.20	0.2	EPA 7470A	04/23/08 16:27	MPL	
Nickel [7440-02-0] ^	**7.8**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 11:37	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	
Thallium [7440-28-0] ^	**0.120**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 14:38	JDH	
Tin [7440-31-5] ^	2.0	U	ug/L	1	2.0	10.0	100	EPA 6010B	04/23/08 11:37	VLO	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 11:37	VLO	
Zinc [7440-66-6] ^	**14.7**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 11:37	VLO	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**1700**	J	ug/L	1	480	5000	NE	SM4500-Cl/E	04/23/08 14:39	PEV	
Cyanide (total) [57-12-5] ^	4.0	U	ug/L	1	4.0	5.0	10	EPA 9014	04/24/08 10:58	PEV	
Sulfide [18496-25-8]	0.10	U	mg/L	1	0.10	0.10	1	EPA 376.2	04/21/08 14:08	AJ	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-01
Sampled: 04/17/08 11:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.13	U	ug/L	1	0.13	0.50	2	EPA 8151A	04/25/08 06:15	RC	
2,4,5-TP (Silvex) [93-72-1] ^	0.12	U	ug/L	1	0.12	0.50	2	EPA 8151A	04/25/08 06:15	RC	
2,4-D [94-75-7] ^	0.21	U	ug/L	1	0.21	0.50	2	EPA 8151A	04/25/08 06:15	RC	
Dinoseb [88-85-7] ^	0.42	U	ug/L	1	0.42	0.50	1	EPA 8151A	04/25/08 06:15	RC	
Pentachlorophenol [87-86-5] ^	0.064	U	ug/L	1	0.064	0.50	25	EPA 8151A	04/25/08 06:15	RC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.1*	*1*	*2.00*	*107 %*	*77-191*	*8D22005*	*EPA 8151A*	*04/25/08 06:15*	*RC*	

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

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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	04/22/08 14:12	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,1-Dichloroethane [75-34-3] ^	**1.2**	J	ug/L	1	0.090	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,1-Dichloropropene [563-58-6] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
1,3-Dichloropropane [142-28-9] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**2.5**		ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
2,2-Dichloropropane [594-20-7] ^	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	04/22/08 14:12	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	04/22/08 14:12	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	04/22/08 14:12	jkg	
3-Chloropropene [107-05-1] ^	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	04/22/08 14:12	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	04/22/08 14:12	jkg	
Acetonitrile [75-05-8] ^	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	04/22/08 14:12	jkg	
Acrolein [107-02-8] ^	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	04/22/08 14:12	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	04/22/08 14:12	jkg	
Benzene [71-43-2] ^	**1.3**		ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	04/22/08 14:12	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Chlorobenzene [108-90-7] ^	**0.58**	J	ug/L	1	0.16	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Chloroprene [126-99-8] ^	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	04/22/08 14:12	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**7.2**		ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	04/22/08 14:12	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
Ethyl Methacrylate [97-63-2] ^	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	04/22/08 14:12	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Hexachlorobutadiene [87-68-3] ^	0.33	U	ug/L	1	0.33	1.0	10	EPA 8260B	04/22/08 14:12	jkg	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	04/22/08 14:12	jkg	
Isobutyl alcohol [78-83-1] ^	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	04/22/08 14:12	jkg	
Methacrylonitrile [126-98-7] ^	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	04/22/08 14:12	jkg	
Methyl Methacrylate [80-62-6] ^	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	04/22/08 14:12	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Naphthalene [91-20-3] ^	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	04/22/08 14:12	jkg	
Propionitrile [107-12-0] ^	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	04/22/08 14:12	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	04/22/08 14:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	04/22/08 14:12	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	04/22/08 14:12	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:12	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/22/08 14:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*69-120*	*8D22009*	*EPA 8260B*	*04/22/08 14:12*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*87 %*	*61-120*	*8D22009*	*EPA 8260B*	*04/22/08 14:12*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*81 %*	*75-99*	*8D22009*	*EPA 8260B*	*04/22/08 14:12*	*jkg*	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 19:46	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:46	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
1,4-Naphthoquinone [130-15-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
1-Naphthylamine [134-32-7] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	04/23/08 19:46	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 19:46	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Acetylaminofluorene [53-96-3] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	04/23/08 19:46	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	04/23/08 19:46	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Naphthylamine [91-59-8] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 19:46	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 19:46	DFM	
3 & 4-Methylphenol	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	04/23/08 19:46	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 19:46	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	04/23/08 19:46	DFM	
4-Aminobiphenyl [92-67-1] ^	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	04/23/08 19:46	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 19:46	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	04/23/08 19:46	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 19:46	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 19:46	DFM	
5-Nitro-o-toluidine [99-55-8] ^	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	04/23/08 19:46	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Acetophenone [98-86-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	10	15	EPA 8270C	04/23/08 19:46	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 19:46	DFM	
Chlorobenzilate [510-15-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Diallate [2303-16-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
Dimethoate [60-51-5] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Disulfoton [298-04-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 19:46	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 19:46	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	04/23/08 19:46	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 19:46	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 19:46	DFM	
Kepone [143-50-0] ^	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	04/23/08 19:46	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	04/23/08 19:46	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	04/23/08 19:46	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 19:46	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 19:46	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 19:46	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 19:46	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 19:46	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	04/23/08 19:46	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 19:46	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 19:46	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	04/23/08 19:46	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*72*	*1*	*100*	*72 %*	*40-124*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
2-Fluorobiphenyl	*37*	*1*	*50.0*	*75 %*	*36-100*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
2-Fluorophenol	*49*	*1*	*100*	*49 %*	*38-71*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*78 %*	*45-92*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
Phenol-d5	*31*	*1*	*100*	*31 %*	*30-56*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*78 %*	*50-139*	*8D21028*	*EPA 8270C*	*04/23/08 19:46*	*DFM*	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
4,4'-DDE [72-55-9] ^	0.93	U	ug/L	1	0.93	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
4,4'-DDT [50-29-3] ^	0.52	U	ug/L	1	0.52	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Aldrin [309-00-2] ^	0.53	U	ug/L	1	0.53	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
alpha-BHC [319-84-6] ^	0.45	U	ug/L	1	0.45	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
beta-BHC [319-85-7] ^	0.49	U	ug/L	1	0.49	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
Chlordane (tech) [12789-03-6] ^	1.1	U	ug/L	1	1.1	17	0.5	EPA 8081A	04/23/08 15:15	JHH	
Chlordane-alpha [5103-71-9] ^	0.58	U	ug/L	1	0.58	1.7	NE	EPA 8081A	04/23/08 15:15	JHH	
Chlordane-gamma [NA] ^	0.56	U	ug/L	1	0.56	1.7	NE	EPA 8081A	04/23/08 15:15	JHH	
delta-BHC [319-86-8] ^	0.38	U	ug/L	1	0.38	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
Dieldrin [60-57-1] ^	0.58	U	ug/L	1	0.58	1.7	0.075	EPA 8081A	04/23/08 15:15	JHH	
Endosulfan I [959-98-8] ^	0.69	U	ug/L	1	0.69	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Endosulfan II [33213-65-9] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Endosulfan sulfate [1031-07-8] ^	0.54	U	ug/L	1	0.54	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Endrin [72-20-8] ^	0.50	U	ug/L	1	0.50	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
Endrin aldehyde [7421-93-4] ^	0.83	U	ug/L	1	0.83	1.7	0.1	EPA 8081A	04/23/08 15:15	JHH	
gamma-BHC [58-89-9] ^	0.67	U	ug/L	1	0.67	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
Heptachlor [76-44-8] ^	0.68	U	ug/L	1	0.68	1.7	0.05	EPA 8081A	04/23/08 15:15	JHH	
Heptachlor epoxide [1024-57-3] ^	0.57	U	ug/L	1	0.57	1.7	0.075	EPA 8081A	04/23/08 15:15	JHH	
Methoxychlor [72-43-5] ^	0.92	U	ug/L	1	0.92	1.7	1	EPA 8081A	04/23/08 15:15	JHH	
Toxaphene [8001-35-2] ^	10	U	ug/L	1	10	33	1.5	EPA 8081A	04/23/08 15:15	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.83*	*1*	*1.00*	*83 %*	*39-151*	*8D22002*	*EPA 8081A*	*04/23/08 15:15*	*JHH*	
Decachlorobiphenyl	*0.89*	*1*	*1.00*	*89 %*	*70-130*	*8D22002*	*EPA 8081A*	*04/23/08 15:15*	*JHH*	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	1.0	2	EPA 8082	04/23/08 15:15	JHH	
PCB-1221 [11104-28-2] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	
PCB-1232 [11141-16-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	
PCB-1248 [12672-29-6] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	
PCB-1254 [11097-69-1] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	
PCB-1260 [11096-82-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:15	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.83*	*1*	*1.00*	*83 %*	*39-151*	*8D22002*	*EPA 8082*	*04/23/08 15:15*	*JHH*	
Decachlorobiphenyl	*0.89*	*1*	*1.00*	*89 %*	*70-130*	*8D22002*	*EPA 8082*	*04/23/08 15:15*	*JHH*	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 14:52	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Barium [7440-39-3] ^	**90.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:00	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:00	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:00	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Cobalt [7440-48-4] ^	**38.1**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Mercury [7439-97-6] ^	**0.13**	J	ug/L	1	0.11	0.20	0.2	EPA 7470A	04/23/08 17:28	MPL	
Nickel [7440-02-0] ^	**4.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:00	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 14:52	JDH	
Tin [7440-31-5] ^	2.0	U	ug/L	1	2.0	10.0	100	EPA 6010B	04/23/08 12:00	VLO	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:00	VLO	
Zinc [7440-66-6] ^	**12.3**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:00	VLO	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	4.0	U	ug/L	1	4.0	5.0	10	EPA 9014	04/24/08 11:04	PEV	
Sulfide [18496-25-8]	0.10	U	mg/L	1	0.10	0.10	1	EPA 376.2	04/21/08 14:08	AJ	

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Description: MW-24
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-02
Sampled: 04/17/08 08:30
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.13	U	ug/L	1	0.13	0.50	2	EPA 8151A	04/25/08 15:08	RC	
2,4,5-TP (Silvex) [93-72-1] ^	0.12	U	ug/L	1	0.12	0.50	2	EPA 8151A	04/25/08 15:08	RC	
2,4-D [94-75-7] ^	0.21	U	ug/L	1	0.21	0.50	2	EPA 8151A	04/25/08 15:08	RC	
Dinoseb [88-85-7] ^	0.42	U	ug/L	1	0.42	0.50	1	EPA 8151A	04/25/08 15:08	RC	
Pentachlorophenol [87-86-5] ^	0.064	U	ug/L	1	0.064	0.50	25	EPA 8151A	04/25/08 15:08	RC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.2*	*1*	*2.00*	*112 %*	*77-191*	*8D22005*	*EPA 8151A*	*04/25/08 15:08*	*RC*	

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

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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	04/22/08 14:41	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,1-Dichloroethane [75-34-3] ^	**1.6**	J	ug/L	1	0.090	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,1-Dichloropropene [563-58-6] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
1,3-Dichloropropane [142-28-9] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**3.2**		ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
2,2-Dichloropropane [594-20-7] ^	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	04/22/08 14:41	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	04/22/08 14:41	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	04/22/08 14:41	jkg	
3-Chloropropene [107-05-1] ^	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	04/22/08 14:41	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	04/22/08 14:41	jkg	
Acetonitrile [75-05-8] ^	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	04/22/08 14:41	jkg	
Acrolein [107-02-8] ^	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	04/22/08 14:41	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	04/22/08 14:41	jkg	
Benzene [71-43-2] ^	**1.6**		ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	04/22/08 14:41	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Chlorobenzene [108-90-7] ^	**0.81**	J	ug/L	1	0.16	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
Chloroethane [75-00-3] ^	**1.5**	J	ug/L	1	0.40	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Chloroprene [126-99-8] ^	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	04/22/08 14:41	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**26**		ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	04/22/08 14:41	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
Ethyl Methacrylate [97-63-2] ^	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	04/22/08 14:41	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Hexachlorobutadiene [87-68-3] ^	0.33	U	ug/L	1	0.33	1.0	10	EPA 8260B	04/22/08 14:41	jkg	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

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
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	04/22/08 14:41	jkg	
Isobutyl alcohol [78-83-1] ^	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	04/22/08 14:41	jkg	
Methacrylonitrile [126-98-7] ^	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	04/22/08 14:41	jkg	
Methyl Methacrylate [80-62-6] ^	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	04/22/08 14:41	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Naphthalene [91-20-3] ^	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	04/22/08 14:41	jkg	
Propionitrile [107-12-0] ^	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	04/22/08 14:41	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Tetrachloroethene [127-18-4] ^	**0.48**	J	ug/L	1	0.25	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	04/22/08 14:41	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	04/22/08 14:41	jkg	
Trichloroethene [79-01-6] ^	**0.43**	J	ug/L	1	0.23	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	04/22/08 14:41	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 14:41	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/22/08 14:41	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*69-120*	*8D22009*	*EPA 8260B*	*04/22/08 14:41*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*61-120*	*8D22009*	*EPA 8260B*	*04/22/08 14:41*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*75-99*	*8D22009*	*EPA 8260B*	*04/22/08 14:41*	*jkg*	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 20:14	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 20:14	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
1,4-Naphthoquinone [130-15-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
1-Naphthylamine [134-32-7] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	04/23/08 20:14	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	04/23/08 20:14	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Acetylaminofluorene [53-96-3] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	04/23/08 20:14	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	04/23/08 20:14	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Naphthylamine [91-59-8] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 20:14	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 20:14	DFM	
3 & 4-Methylphenol	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	04/23/08 20:14	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 20:14	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	04/23/08 20:14	DFM	
4-Aminobiphenyl [92-67-1] ^	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	04/23/08 20:14	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 20:14	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	04/23/08 20:14	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	04/23/08 20:14	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	04/23/08 20:14	DFM	
5-Nitro-o-toluidine [99-55-8] ^	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	04/23/08 20:14	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Acetophenone [98-86-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	10	15	EPA 8270C	04/23/08 20:14	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	04/23/08 20:14	DFM	
Chlorobenzilate [510-15-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Diallate [2303-16-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
Dimethoate [60-51-5] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Disulfoton [298-04-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 20:14	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	04/23/08 20:14	DFM	
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	04/23/08 20:14	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	04/23/08 20:14	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	04/23/08 20:14	DFM	
Kepone [143-50-0] ^	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	04/23/08 20:14	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	04/23/08 20:14	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	04/23/08 20:14	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Semivolatile 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
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 20:14	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	04/23/08 20:14	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	04/23/08 20:14	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	04/23/08 20:14	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	04/23/08 20:14	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	04/23/08 20:14	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	04/23/08 20:14	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	04/23/08 20:14	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	04/23/08 20:14	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*76*	*1*	*100*	*76 %*	*40-124*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
2-Fluorobiphenyl	*37*	*1*	*50.0*	*75 %*	*36-100*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
2-Fluorophenol	*46*	*1*	*100*	*46 %*	*38-71*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*78 %*	*45-92*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
Phenol-d5	*31*	*1*	*100*	*31 %*	*30-56*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	
Terphenyl-d14	*38*	*1*	*50.0*	*75 %*	*50-139*	*8D21028*	*EPA 8270C*	*04/23/08 20:14*	*DFM*	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
4,4'-DDE [72-55-9] ^	0.93	U	ug/L	1	0.93	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
4,4'-DDT [50-29-3] ^	0.52	U	ug/L	1	0.52	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Aldrin [309-00-2] ^	0.53	U	ug/L	1	0.53	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
alpha-BHC [319-84-6] ^	0.45	U	ug/L	1	0.45	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
beta-BHC [319-85-7] ^	0.49	U	ug/L	1	0.49	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
Chlordane (tech) [12789-03-6] ^	1.1	U	ug/L	1	1.1	17	0.5	EPA 8081A	04/23/08 15:40	JHH	
Chlordane-alpha [5103-71-9] ^	0.58	U	ug/L	1	0.58	1.7	NE	EPA 8081A	04/23/08 15:40	JHH	
Chlordane-gamma [NA] ^	0.56	U	ug/L	1	0.56	1.7	NE	EPA 8081A	04/23/08 15:40	JHH	
delta-BHC [319-86-8] ^	0.38	U	ug/L	1	0.38	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
Dieldrin [60-57-1] ^	0.58	U	ug/L	1	0.58	1.7	0.075	EPA 8081A	04/23/08 15:40	JHH	
Endosulfan I [959-98-8] ^	0.69	U	ug/L	1	0.69	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Endosulfan II [33213-65-9] ^	0.63	U	ug/L	1	0.63	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Endosulfan sulfate [1031-07-8] ^	0.54	U	ug/L	1	0.54	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Endrin [72-20-8] ^	0.50	U	ug/L	1	0.50	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
Endrin aldehyde [7421-93-4] ^	0.83	U	ug/L	1	0.83	1.7	0.1	EPA 8081A	04/23/08 15:40	JHH	
gamma-BHC [58-89-9] ^	0.67	U	ug/L	1	0.67	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
Heptachlor [76-44-8] ^	0.68	U	ug/L	1	0.68	1.7	0.05	EPA 8081A	04/23/08 15:40	JHH	
Heptachlor epoxide [1024-57-3] ^	0.57	U	ug/L	1	0.57	1.7	0.075	EPA 8081A	04/23/08 15:40	JHH	
Methoxychlor [72-43-5] ^	0.92	U	ug/L	1	0.92	1.7	1	EPA 8081A	04/23/08 15:40	JHH	
Toxaphene [8001-35-2] ^	10	U	ug/L	1	10	33	1.5	EPA 8081A	04/23/08 15:40	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.80*	*1*	*1.00*	*80 %*	*39-151*	*8D22002*	*EPA 8081A*	*04/23/08 15:40*	*JHH*	
Decachlorobiphenyl	*0.70*	*1*	*1.00*	*70 %*	*70-130*	*8D22002*	*EPA 8081A*	*04/23/08 15:40*	*JHH*	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	1.0	2	EPA 8082	04/23/08 15:40	JHH	
PCB-1221 [11104-28-2] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	
PCB-1232 [11141-16-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	
PCB-1248 [12672-29-6] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	
PCB-1254 [11097-69-1] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	
PCB-1260 [11096-82-5] ^	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	04/23/08 15:40	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.80*	*1*	*1.00*	*80 %*	*39-151*	*8D22002*	*EPA 8082*	*04/23/08 15:40*	*JHH*	
Decachlorobiphenyl	*0.70*	*1*	*1.00*	*70 %*	*70-130*	*8D22002*	*EPA 8082*	*04/23/08 15:40*	*JHH*	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 14:55	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Barium [7440-39-3] ^	**105**		ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:07	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:07	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:07	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Cobalt [7440-48-4] ^	**85.2**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Lead [7439-92-1] ^	**2.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	04/23/08 17:31	MPL	
Nickel [7440-02-0] ^	**20.7**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:07	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	
Thallium [7440-28-0] ^	**0.114**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 14:55	JDH	
Tin [7440-31-5] ^	2.0	U	ug/L	1	2.0	10.0	100	EPA 6010B	04/23/08 12:07	VLO	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:07	VLO	
Zinc [7440-66-6] ^	**38.4**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:07	VLO	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	4.0	U	ug/L	1	4.0	5.0	10	EPA 9014	04/24/08 11:06	PEV	
Sulfide [18496-25-8]	0.50	U	mg/L	1	0.50	0.50	1	EPA 376.2	04/21/08 14:08	AJ	

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Description: MW-26
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-03
Sampled: 04/17/08 10:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.13	U	ug/L	1	0.13	0.50	2	EPA 8151A	04/25/08 15:40	RC	
2,4,5-TP (Silvex) [93-72-1] ^	0.12	U	ug/L	1	0.12	0.50	2	EPA 8151A	04/25/08 15:40	RC	
2,4-D [94-75-7] ^	0.21	U	ug/L	1	0.21	0.50	2	EPA 8151A	04/25/08 15:40	RC	
Dinoseb [88-85-7] ^	0.42	U	ug/L	1	0.42	0.50	1	EPA 8151A	04/25/08 15:40	RC	
Pentachlorophenol [87-86-5] ^	0.064	U	ug/L	1	0.064	0.50	25	EPA 8151A	04/25/08 15:40	RC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.9*	*1*	*2.00*	*144 %*	*77-191*	*8D22005*	*EPA 8151A*	*04/25/08 15:40*	*RC*	

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

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Description: MW-11
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-04
Sampled: 04/17/08 12:10
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 14:57	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Barium [7440-39-3] ^	**116**		ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:14	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:14	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:14	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Cobalt [7440-48-4] ^	**113**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Nickel [7440-02-0] ^	**14.6**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:14	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	
Thallium [7440-28-0] ^	**0.195**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 14:57	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:14	VLO	
Zinc [7440-66-6] ^	**32.7**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:14	VLO	

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Description: MW-11
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-04
Sampled: 04/17/08 12:10
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/28/08 11:49	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Barium [7440-39-3] ^	**115**	B	ug/L	1	0.20	10.0	100	EPA 6010B	04/28/08 14:46	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/28/08 14:46	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/28/08 14:46	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Cobalt [7440-48-4] ^	**105**		ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Nickel [7440-02-0] ^	**14.9**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/28/08 14:46	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	
Thallium [7440-28-0] ^	**0.302**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/28/08 11:49	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/28/08 14:46	VLO	
Zinc [7440-66-6] ^	**31.0**	B	ug/L	1	1.0	10.0	10	EPA 6010B	04/28/08 14:46	VLO	

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Description: MW-5
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-05
Sampled: 04/17/08 13:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 15:09	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Barium [7440-39-3] ^	**108**		ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:21	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:21	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:21	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Cobalt [7440-48-4] ^	**12.4**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:21	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 15:09	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:21	VLO	
Zinc [7440-66-6] ^	**1.7**	J	ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:21	VLO	

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Description: MW-5
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-05
Sampled: 04/17/08 13:00
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/28/08 11:41	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Barium [7440-39-3] ^	**98.1**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	04/28/08 15:07	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/28/08 15:07	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/28/08 15:07	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Cobalt [7440-48-4] ^	**9.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Lead [7439-92-1] ^	**2.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	04/28/08 15:07	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	04/28/08 11:41	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/28/08 15:07	VLO	
Zinc [7440-66-6] ^	**2.6**	JB	ug/L	1	1.0	10.0	10	EPA 6010B	04/28/08 15:07	VLO	

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

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Description: MW-1B
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-06
Sampled: 04/17/08 13:40
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 15:11	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Barium [7440-39-3] ^	**89.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:28	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:28	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:28	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Cobalt [7440-48-4] ^	**58.0**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Copper [7440-50-8] ^	**1.00**	J	ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Nickel [7440-02-0] ^	**6.8**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:28	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	
Thallium [7440-28-0] ^	**0.060**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 15:11	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:28	VLO	
Zinc [7440-66-6] ^	**16.1**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:28	VLO	

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Description: MW-1B
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-06
Sampled: 04/17/08 13:40
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/28/08 11:52	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Barium [7440-39-3] ^	**85.5**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	04/28/08 15:30	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/28/08 15:30	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/28/08 15:30	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Cobalt [7440-48-4] ^	**54.9**		ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Copper [7440-50-8] ^	**1.40**	J	ug/L	1	0.60	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Lead [7439-92-1] ^	**2.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Nickel [7440-02-0] ^	**7.8**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/28/08 15:30	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	
Thallium [7440-28-0] ^	**0.121**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/28/08 11:52	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	04/28/08 15:30	VLO	
Zinc [7440-66-6] ^	**16.6**	B	ug/L	1	1.0	10.0	10	EPA 6010B	04/28/08 15:30	VLO	

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

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Description: MW-19
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-07
Sampled: 04/17/08 14:40
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/24/08 15:14	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Barium [7440-39-3] ^	**78.1**	J	ug/L	1	0.20	10.0	100	EPA 6010B	04/23/08 12:51	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/23/08 12:51	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/23/08 12:51	VLO	
Chromium [7440-47-3] ^	**11.4**		ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Copper [7440-50-8] ^	**22.3**		ug/L	1	0.60	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Lead [7439-92-1] ^	**4.5**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Nickel [7440-02-0] ^	**9.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/23/08 12:51	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	
Thallium [7440-28-0] ^	**0.043**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/24/08 15:14	JDH	
Vanadium [7440-62-2] ^	**13.0**	J	ug/L	1	1.0	10.0	25	EPA 6010B	04/23/08 12:51	VLO	
Zinc [7440-66-6] ^	**26.2**		ug/L	1	1.0	10.0	10	EPA 6010B	04/23/08 12:51	VLO	

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Description: MW-19
Matrix: Ground Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-07
Sampled: 04/17/08 14:40
Sampled By: Client

Received: 04/18/08 11:30
Work Order: C804069

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	04/28/08 11:54	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Barium [7440-39-3] ^	**67.2**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	04/28/08 15:37	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	04/28/08 15:37	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	04/28/08 15:37	VLO	
Chromium [7440-47-3] ^	**20.3**		ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Cobalt [7440-48-4] ^	**2.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Copper [7440-50-8] ^	**15.7**		ug/L	1	0.60	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Lead [7439-92-1] ^	**4.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Nickel [7440-02-0] ^	**21.3**	J	ug/L	1	2.0	10.0	50	EPA 6010B	04/28/08 15:37	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	
Thallium [7440-28-0] ^	**0.073**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	04/28/08 11:54	JDH	
Vanadium [7440-62-2] ^	**12.1**	J	ug/L	1	1.0	10.0	25	EPA 6010B	04/28/08 15:37	VLO	
Zinc [7440-66-6] ^	**15.3**	B	ug/L	1	1.0	10.0	10	EPA 6010B	04/28/08 15:37	VLO	

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Description: TB
Matrix: Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-10
Sampled: 04/17/08 00:00
Sampled By:

Received: 04/18/08 11:30
Work Order: C804069

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	04/22/08 21:29	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,1-Dichloropropene [563-58-6] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
1,3-Dichloropropane [142-28-9] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
2,2-Dichloropropane [594-20-7] ^	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	04/22/08 21:29	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	04/22/08 21:29	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	04/22/08 21:29	jkg	
3-Chloropropene [107-05-1] ^	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	04/22/08 21:29	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	04/22/08 21:29	jkg	
Acetonitrile [75-05-8] ^	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	04/22/08 21:29	jkg	
Acrolein [107-02-8] ^	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	04/22/08 21:29	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	04/22/08 21:29	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	04/22/08 21:29	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Chloroprene [126-99-8] ^	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	04/22/08 21:29	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	04/22/08 21:29	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
Ethyl Methacrylate [97-63-2] ^	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	04/22/08 21:29	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Hexachlorobutadiene [87-68-3] ^	0.33	U	ug/L	1	0.33	1.0	10	EPA 8260B	04/22/08 21:29	jkg	

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Description: TB
Matrix: Water
Project: Alexander Co. Closed C&D

Lab Sample ID: C804069-10
Sampled: 04/17/08 00:00
Sampled By:

Received: 04/18/08 11:30
Work Order: C804069

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
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	04/22/08 21:29	jkg	
Isobutyl alcohol [78-83-1] ^	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	04/22/08 21:29	jkg	
Methacrylonitrile [126-98-7] ^	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	04/22/08 21:29	jkg	
Methyl Methacrylate [80-62-6] ^	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	04/22/08 21:29	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Naphthalene [91-20-3] ^	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	04/22/08 21:29	jkg	
Propionitrile [107-12-0] ^	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	04/22/08 21:29	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	04/22/08 21:29	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	04/22/08 21:29	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	04/22/08 21:29	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/22/08 21:29	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/22/08 21:29	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*69-120*	*8D22026*	*EPA 8260B*	*04/22/08 21:29*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*61-120*	*8D22026*	*EPA 8260B*	*04/22/08 21:29*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*81 %*	*75-99*	*8D22026*	*EPA 8260B*	*04/22/08 21:29*	*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 8D22009 - EPA 5030B_MS

Blank (8D22009-BLK1) Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 06:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.14	U	1.0	ug/L							
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							
Acrolein	2.1	U	10	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							
Acetonitrile	1.8	U	10	ug/L							
3-Chloropropene	0.20	U	1.0	ug/L							
Methylene chloride	**1.3**		1.0	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							
Chloroprene	0.19	U	1.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
2,2-Dichloropropane	0.16	U	1.0	ug/L							
Propionitrile	1.6	U	10	ug/L							
Methacrylonitrile	0.69	U	10	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							
1,1-Dichloropropene	0.13	U	1.0	ug/L							
Isobutyl alcohol	8.4	U	20	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							
Methyl Methacrylate	0.38	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
Ethyl Methacrylate	0.17	U	2.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
1,3-Dichloropropane	0.18	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							

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Volatile Organic Compounds by GCMS - Quality Control

Batch 8D22009 - EPA 5030B_MS

Blank (8D22009-BLK1) Continued

Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 06:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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							
1,3-Dichlorobenzene	0.15	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							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
Hexachlorobutadiene	0.33	U	1.0	ug/L							
Naphthalene	0.25	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*61-120*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*81*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

LCS (8D22009-BS1)

Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 06:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		120	71-121			
Benzene	22		1.0	ug/L	20.0		112	77-128			
Trichloroethene	19		1.0	ug/L	20.0		96	79-120			
Toluene	18		1.0	ug/L	20.0		92	77-120			
Chlorobenzene	19		1.0	ug/L	20.0		93	78-120			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

Matrix Spike (8D22009-MS1)

Source: C804201-07

Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 07:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.20 U	114	71-121			
Benzene	22		1.0	ug/L	20.0	0.20 U	112	77-128			
Trichloroethene	19		1.0	ug/L	20.0	0.25 U	96	79-120			
Toluene	19		1.0	ug/L	20.0	0.20 U	95	77-120			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	94	78-120			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*77*	*69-120*			

Matrix Spike Dup (8D22009-MSD1)

Source: C804201-07

Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 07:54

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Volatile Organic Compounds by GCMS - Quality Control

Batch 8D22009 - EPA 5030B_MS

Matrix Spike Dup (8D22009-MSD1) Continued Prepared: 04/21/2008 09:52 Analyzed: 04/22/2008 07:54

Source: C804201-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.20 U	113	71-121	0.8	27	
Benzene	22		1.0	ug/L	20.0	0.20 U	111	77-128	0.9	27	
Trichloroethene	19		1.0	ug/L	20.0	0.25 U	94	79-120	2	27	
Toluene	18		1.0	ug/L	20.0	0.20 U	92	77-120	4	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	95	78-120	0.5	25	
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*69-120*			

Batch 8D22026 - EPA 5030B_MS

Blank (8D22026-BLK1) Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 18:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.14	U	1.0	ug/L							
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							
Acrolein	2.1	U	10	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							
Acetonitrile	1.8	U	10	ug/L							
3-Chloropropene	0.20	U	1.0	ug/L							
Methylene chloride	0.088	U	1.0	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							
Chloroprene	0.19	U	1.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
2,2-Dichloropropane	0.16	U	1.0	ug/L							
Propionitrile	1.6	U	10	ug/L							
Methacrylonitrile	0.69	U	10	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							
1,1-Dichloropropene	0.13	U	1.0	ug/L							
Isobutyl alcohol	8.4	U	20	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							

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Batch 8D22026 - EPA 5030B_MS

Blank (8D22026-BLK1) Continued Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 18:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Methyl Methacrylate	0.38	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
Ethyl Methacrylate	0.17	U	2.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
1,3-Dichloropropane	0.18	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							
1,3-Dichlorobenzene	0.15	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							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
Hexachlorobutadiene	0.33	U	1.0	ug/L							
Naphthalene	0.25	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

LCS (8D22026-BS1) Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 19:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		110	71-121			
Benzene	21		1.0	ug/L	20.0		106	77-128			
Trichloroethene	17		1.0	ug/L	20.0		87	79-120			
Toluene	18		1.0	ug/L	20.0		88	77-120			
Chlorobenzene	18		1.0	ug/L	20.0		90	78-120			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*91*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*69-120*			

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Volatile Organic Compounds by GCMS - Quality Control

Batch 8D22026 - EPA 5030B_MS

Matrix Spike (8D22026-MS1) Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 19:32

Source: C803671-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.20 U	138	71-121			QM-07
Benzene	24		1.0	ug/L	20.0	0.20 U	122	77-128			
Trichloroethene	21		1.0	ug/L	20.0	0.25 U	105	79-120			
Toluene	20		1.0	ug/L	20.0	0.20 U	102	77-120			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	101	78-120			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*91*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

Matrix Spike Dup (8D22026-MSD1) Prepared: 04/22/2008 12:57 Analyzed: 04/22/2008 20:01

Source: C803671-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.20 U	126	71-121	9	27	QM-07
Benzene	23		1.0	ug/L	20.0	0.20 U	116	77-128	5	27	
Trichloroethene	19		1.0	ug/L	20.0	0.25 U	97	79-120	8	27	
Toluene	19		1.0	ug/L	20.0	0.20 U	96	77-120	6	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	78-120	6	25	
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*69-120*			

Batch 8D23026 - EPA 5030B_MS

Blank (8D23026-BLK1) Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 01:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.14	U	1.0	ug/L							
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							
Acrolein	2.1	U	10	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							
Acetonitrile	1.8	U	10	ug/L							
3-Chloropropene	0.20	U	1.0	ug/L							
Methylene chloride	0.088	U	1.0	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							
Chloroprene	0.19	U	1.0	ug/L							

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Volatile Organic Compounds by GCMS - Quality Control

Batch 8D23026 - EPA 5030B_MS

Blank (8D23026-BLK1) Continued Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 01:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
2,2-Dichloropropane	0.16	U	1.0	ug/L							
Propionitrile	1.6	U	10	ug/L							
Methacrylonitrile	0.69	U	10	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							
1,1-Dichloropropene	0.13	U	1.0	ug/L							
Isobutyl alcohol	8.4	U	20	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							
Methyl Methacrylate	0.38	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
Ethyl Methacrylate	0.17	U	2.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
1,3-Dichloropropane	0.18	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							
1,3-Dichlorobenzene	0.15	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							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
Hexachlorobutadiene	0.33	U	1.0	ug/L							
Naphthalene	0.25	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*82*	*61-120*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

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Volatile Organic Compounds by GCMS - Quality Control

Batch 8D23026 - EPA 5030B_MS

LCS (8D23026-BS1) Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 02:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		121	71-121			
Benzene	24		1.0	ug/L	20.0		119	77-128			
Trichloroethene	19		1.0	ug/L	20.0		94	79-120			
Toluene	19		1.0	ug/L	20.0		94	77-120			
Chlorobenzene	19		1.0	ug/L	20.0		94	78-120			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*83*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*69-120*			

Matrix Spike (8D23026-MS1) Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 02:42

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	27		1.0	ug/L	20.0	0.20 U	137	71-121			QM-07
Benzene	29		1.0	ug/L	20.0	3.6	126	77-128			
Trichloroethene	24		1.0	ug/L	20.0	3.6	100	79-120			
Toluene	20		1.0	ug/L	20.0	0.20 U	99	77-120			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	102	78-120			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*69-120*			

Matrix Spike Dup (8D23026-MSD1) Prepared: 04/23/2008 13:42 Analyzed: 04/24/2008 03:11

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.20 U	138	71-121	0.5	27	QM-07
Benzene	30		1.0	ug/L	20.0	3.6	132	77-128	4	27	QM-07
Trichloroethene	24		1.0	ug/L	20.0	3.6	101	79-120	1	27	
Toluene	20		1.0	ug/L	20.0	0.20 U	101	77-120	2	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	99	78-120	3	25	
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*69-120*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Blank (8D21028-BLK1) Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	1.7	U	10	ug/L							
1,3-Dinitrobenzene	1.0	U	10	ug/L							
1,3,5-Trinitrobenzene	1.4	U	10	ug/L							
1,4-Naphthoquinone	3.0	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							

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Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Blank (8D21028-BLK1) Continued

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1-Naphthylamine	2.5	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	1.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.1	U	10	ug/L							
2,4,6-Trichlorophenol	1.4	U	10	ug/L							
2,4-Dichlorophenol	1.6	U	10	ug/L							
2,4-Dimethylphenol	3.0	U	10	ug/L							
2,4-Dinitrophenol	1.7	U	10	ug/L							
2,4-Dinitrotoluene	1.2	U	10	ug/L							
2,6-Dichlorophenol	1.7	U	10	ug/L							
2,6-Dinitrotoluene	1.0	U	10	ug/L							
2-Acetylaminofluorene	1.3	U	10	ug/L							
2-Chloronaphthalene	1.6	U	10	ug/L							
2-Chlorophenol	2.0	U	10	ug/L							
2-Methylnaphthalene	2.0	U	10	ug/L							
2-Methylphenol	2.0	U	10	ug/L							
2-Naphthylamine	4.0	U	10	ug/L							
2-Nitroaniline	1.2	U	10	ug/L							
2-Nitrophenol	1.8	U	10	ug/L							
3,3'-Dimethylbenzidine	3.0	U	10	ug/L							
3,3'-Dichlorobenzidine	1.8	U	10	ug/L							
3 & 4-Methylphenol	1.9	U	20	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	1.6	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.4	U	10	ug/L							
4-Aminobiphenyl	3.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.2	U	10	ug/L							
4-Chloro-3-methylphenol	1.4	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							
4-Chlorophenyl-phenylether	1.2	U	10	ug/L							
4-Nitroaniline	1.4	U	10	ug/L							
4-Nitrophenol	1.2	U	10	ug/L							
5-Nitro-o-toluidine	0.60	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	2.0	U	10	ug/L							
Acenaphthylene	2.0	U	10	ug/L							
Acetophenone	2.0	U	10	ug/L							
Anthracene	2.0	U	10	ug/L							
Benzo(a)anthracene	2.0	U	10	ug/L							
Benzo(a)pyrene	2.0	U	10	ug/L							
Benzo(b)fluoranthene	2.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.0	U	10	ug/L							
Benzo(k)fluoranthene	2.0	U	10	ug/L							
Benzyl alcohol	1.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	2.0	U	10	ug/L							
Bis(2-chloroethyl)ether	2.1	U	10	ug/L							
Bis(2-chloroisopropyl)ether	2.2	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.9	U	10	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Chlorobenzilate	1.1	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Blank (8D21028-BLK1) Continued Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chrysene	2.0	U	10	ug/L							
Diallate	1.3	U	10	ug/L							
Dibenzo(a,h)anthracene	2.0	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	1.3	U	10	ug/L							
Dimethoate	1.0	U	10	ug/L							
Dimethylphthalate	1.1	U	10	ug/L							
Di-n-butylphthalate	1.0	U	10	ug/L							
Di-n-octylphthalate	2.0	U	10	ug/L							
Disulfoton	1.0	U	10	ug/L							
Ethyl methanesulfonate	1.1	U	10	ug/L							
Famphur	1.8	U	10	ug/L							
Fluoranthene	2.0	U	10	ug/L							
Fluorene	2.0	U	10	ug/L							
Hexachlorobenzene	1.1	U	10	ug/L							
Hexachlorobutadiene	2.0	U	10	ug/L							
Hexachlorocyclopentadiene	2.0	U	10	ug/L							
Hexachloroethane	2.4	U	10	ug/L							
Hexachloropropene	1.1	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.0	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.8	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	1.5	U	20	ug/L							
Methapyrilene	3.8	U	10	ug/L							
Methyl Methanesulfonate	2.0	U	10	ug/L							
Methyl parathion	1.2	U	10	ug/L							
Nitrobenzene	1.9	U	10	ug/L							
N-Nitrosodiethylamine	1.9	U	10	ug/L							
N-Nitrosodimethylamine	1.9	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.0	U	10	ug/L							
N-Nitroso-di-n-propylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.5	U	10	ug/L							
N-Nitrosopyrrolidine	1.9	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	2.0	U	10	ug/L							
o-Toluidine	1.5	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	1.2	U	10	ug/L							
Pentachlorobenzene	1.2	U	10	ug/L							
Pentachloronitrobenzene	1.1	U	10	ug/L							
Phenacetin	1.0	U	10	ug/L							
Phenanthrene	2.0	U	10	ug/L							
Phenol	1.5	U	10	ug/L							
Phorate	4.1	U	10	ug/L							
Pronamide	1.0	U	10	ug/L							
Pyrene	2.0	U	10	ug/L							
Safrole	1.9	U	10	ug/L							
Thionazin	1.2	U	10	ug/L							

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Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Blank (8D21028-BLK1) Continued

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
N-Nitrosodiphenylamine/Diphenylamine	1.1	U	10	ug/L							
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*38-71*			
Surrogate: Phenol-d5	*36*			*ug/L*	*100*		*36*	*30-56*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*78*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.0*		*72*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*76*			*ug/L*	*100*		*76*	*40-124*			
Surrogate: Terphenyl-d14	*38*			*ug/L*	*50.0*		*75*	*50-139*			

LCS (8D21028-BS1)

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 17:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	38		10	ug/L	50.0		76	52-115			
2-Chlorophenol	35		10	ug/L	50.0		69	51-89			
4-Chloro-3-methylphenol	38		10	ug/L	50.0		76	56-103			
4-Nitrophenol	19		10	ug/L	50.0		38	28-86			
Acenaphthene	37		10	ug/L	50.0		73	38-100			
N-Nitroso-di-n-propylamine	42		10	ug/L	50.0		85	51-91			
Phenol	17		10	ug/L	50.0		34	33-58			
Pyrene	42		10	ug/L	50.0		84	61-135			
Surrogate: 2-Fluorophenol	*50*			*ug/L*	*100*		*50*	*38-71*			
Surrogate: Phenol-d5	*35*			*ug/L*	*100*		*35*	*30-56*			
Surrogate: Nitrobenzene-d5	*40*			*ug/L*	*50.0*		*80*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*78*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*69*			*ug/L*	*100*		*69*	*40-124*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*80*	*50-139*			

Matrix Spike (8D21028-MS1)

Source: C804069-01

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 18:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	40		10	ug/L	50.0	1.2 U	80	52-115			
2-Chlorophenol	36		10	ug/L	50.0	2.0 U	72	51-89			
4-Chloro-3-methylphenol	40		10	ug/L	50.0	1.4 U	80	56-103			
4-Nitrophenol	23		10	ug/L	50.0	1.2 U	46	28-86			
Acenaphthene	38		10	ug/L	50.0	2.0 U	77	38-100			
N-Nitroso-di-n-propylamine	44		10	ug/L	50.0	2.1 U	88	51-91			
Phenol	18		10	ug/L	50.0	1.5 U	35	33-58			
Pyrene	42		10	ug/L	50.0	2.0 U	84	61-135			
Surrogate: 2-Fluorophenol	*39*			*ug/L*	*100*		*39*	*38-71*			
Surrogate: Phenol-d5	*35*			*ug/L*	*100*		*35*	*30-56*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*79*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*79*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*75*			*ug/L*	*100*		*75*	*40-124*			
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*81*	*50-139*			

Matrix Spike Dup (8D21028-MSD1)

Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 18:52

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8D21028 - EPA 3510C_MS

Matrix Spike Dup (8D21028-MSD1) Continued Prepared: 04/21/2008 17:30 Analyzed: 04/23/2008 18:52

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	34		10	ug/L	50.0	1.2 U	68	52-115	15	15	
2-Chlorophenol	32		10	ug/L	50.0	2.0 U	65	51-89	10	22	
4-Chloro-3-methylphenol	35		10	ug/L	50.0	1.4 U	71	56-103	13	28	
4-Nitrophenol	20		10	ug/L	50.0	1.2 U	39	28-86	14	16	
Acenaphthene	33		10	ug/L	50.0	2.0 U	66	38-100	16	27	
N-Nitroso-di-n-propylamine	39		10	ug/L	50.0	2.1 U	77	51-91	13	16	
Phenol	16		10	ug/L	50.0	1.5 U	32	33-58	9	20	QM-07
Pyrene	37		10	ug/L	50.0	2.0 U	73	61-135	14	20	
Surrogate: 2-Fluorophenol	*45*			*ug/L*	*100*		*45*	*38-71*			
Surrogate: Phenol-d5	*32*			*ug/L*	*100*		*32*	*30-56*			
Surrogate: Nitrobenzene-d5	*34*			*ug/L*	*50.0*		*69*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*33*			*ug/L*	*50.0*		*67*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*64*			*ug/L*	*100*		*64*	*40-124*			
Surrogate: Terphenyl-d14	*36*			*ug/L*	*50.0*		*71*	*50-139*			

Organochlorine Pesticides by GC - Quality Control

Batch 8D22002 - EPA 3510C

Blank (8D22002-BLK1) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 10:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
alpha-BHC	0.0010	U	0.050	ug/L							
beta-BHC	0.0030	U	0.050	ug/L							
gamma-BHC	0.0020	U	0.050	ug/L							
delta-BHC	0.0020	U	0.050	ug/L							
Heptachlor	0.0030	U	0.050	ug/L							
Aldrin	0.0030	U	0.050	ug/L							
Heptachlor epoxide	0.0040	U	0.050	ug/L							
Chlordane-gamma	0.0050	U	0.050	ug/L							
Chlordane-alpha	0.0090	U	0.050	ug/L							
4,4'-DDE	0.0060	U	0.050	ug/L							
Endosulfan I	0.0040	U	0.050	ug/L							
Dieldrin	0.0060	U	0.050	ug/L							
Endrin	0.0040	U	0.050	ug/L							
4,4'-DDD	0.0050	U	0.050	ug/L							
Endosulfan II	0.0040	U	0.050	ug/L							
4,4'-DDT	0.0050	U	0.050	ug/L							
Endrin aldehyde	0.0040	U	0.050	ug/L							
Methoxychlor	0.0060	U	0.050	ug/L							
Endosulfan sulfate	0.0040	U	0.050	ug/L							
Chlordane (tech)	0.020	U	0.50	ug/L							
Toxaphene	0.67	U	1.0	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.88*			*ug/L*	*1.00*		*88*	*70-130*			

LCS (8D22002-BS1) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 11:16

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Organochlorine Pesticides by GC - Quality Control

Batch 8D22002 - EPA 3510C

LCS (8D22002-BS1) Continued

Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 11:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
gamma-BHC	0.69		0.050	ug/L	1.00		69	50-150			
Heptachlor	0.66		0.050	ug/L	1.00		66	50-150			
Aldrin	0.61		0.050	ug/L	1.00		61	50-150			
Dieldrin	0.69		0.050	ug/L	1.00		69	50-150			
Endrin	0.58		0.050	ug/L	1.00		58	50-150			
4,4'-DDT	0.68		0.050	ug/L	1.00		68	50-150			
Surrogate: 2,4,5,6-TCMX	*0.76*			*ug/L*	*1.00*		*76*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.80*			*ug/L*	*1.00*		*80*	*70-130*			

Matrix Spike (8D22002-MS1)

Source: C804069-01

Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 11:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
gamma-BHC	0.71		0.050	ug/L	1.00	0.0020 U	71	48-118			
Heptachlor	0.71		0.050	ug/L	1.00	0.0030 U	71	42-163			
Aldrin	0.67		0.050	ug/L	1.00	0.0030 U	67	41-154			
Dieldrin	0.71		0.050	ug/L	1.00	0.0060 U	71	41-154			
Endrin	0.65		0.050	ug/L	1.00	0.0040 U	65	38-183			
4,4'-DDT	0.72		0.050	ug/L	1.00	0.0050 U	72	53-143			
Surrogate: 2,4,5,6-TCMX	*0.83*			*ug/L*	*1.00*		*83*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.94*			*ug/L*	*1.00*		*94*	*70-130*			

Matrix Spike Dup (8D22002-MSD1)

Source: C804069-01

Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 12:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
gamma-BHC	0.74		0.050	ug/L	1.00	0.0020 U	74	48-118	3	21	
Heptachlor	0.72		0.050	ug/L	1.00	0.0030 U	72	42-163	1	25	
Aldrin	0.69		0.050	ug/L	1.00	0.0030 U	69	41-154	2	22	
Dieldrin	0.72		0.050	ug/L	1.00	0.0060 U	72	41-154	1	22	
Endrin	0.65		0.050	ug/L	1.00	0.0040 U	65	38-183	0.9	26	
4,4'-DDT	0.72		0.050	ug/L	1.00	0.0050 U	72	53-143	1	24	
Surrogate: 2,4,5,6-TCMX	*0.82*			*ug/L*	*1.00*		*82*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.74*			*ug/L*	*1.00*		*74*	*70-130*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 8D22002 - EPA 3510C

Blank (8D22002-BLK1)

Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 10:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	1.0	ug/L							
PCB-1221	0.21	U	1.0	ug/L							
PCB-1232	0.21	U	1.0	ug/L							
PCB-1248	0.21	U	1.0	ug/L							
PCB-1254	0.21	U	1.0	ug/L							

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 8D22002 - EPA 3510C

Blank (8D22002-BLK1) Continued Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 10:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1260	0.21	U	1.0	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.88*			*ug/L*	*1.00*		*88*	*70-130*			

LCS (8D22002-BS2) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 12:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.4		1.0	ug/L	10.0		94	50-150			
PCB-1260	7.4		1.0	ug/L	10.0		74	50-150			
Surrogate: 2,4,5,6-TCMX	*0.73*			*ug/L*	*1.00*		*73*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.72*			*ug/L*	*1.00*		*72*	*70-130*			

Matrix Spike (8D22002-MS2) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 12:52

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.4		1.0	ug/L	10.0	0.19 U	94	43-135			
PCB-1260	7.7		1.0	ug/L	10.0	0.21 U	77	46-142			
Surrogate: 2,4,5,6-TCMX	*0.77*			*ug/L*	*1.00*		*77*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.94*			*ug/L*	*1.00*		*94*	*70-130*			

Matrix Spike Dup (8D22002-MSD2) Prepared: 04/22/2008 07:26 Analyzed: 04/23/2008 13:16

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.6		1.0	ug/L	10.0	0.19 U	96	43-135	2	23	
PCB-1260	7.7		1.0	ug/L	10.0	0.21 U	77	46-142	0	31	
Surrogate: 2,4,5,6-TCMX	*0.75*			*ug/L*	*1.00*		*76*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.91*			*ug/L*	*1.00*		*91*	*70-130*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D21002 - EPA 3005A

Blank (8D21002-BLK1) Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:21

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

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QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D21002 - EPA 3005A

Blank (8D21002-BLK1) Continued

Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	2.0	U	10.0	ug/L							
Tin	**2.6**	**J**	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (8D21002-BS1)

Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	518		10.0	ug/L	500		104	82-117			
Barium	518		10.0	ug/L	500		104	72-125			
Beryllium	261		1.00	ug/L	250		105	75-121			
Cadmium	266		1.00	ug/L	250		107	72-120			
Chromium	503		10.0	ug/L	500		101	78-119			
Cobalt	499		10.0	ug/L	500		100	76-117			
Copper	252		10.0	ug/L	250		101	80-117			
Lead	510		10.0	ug/L	500		102	72-121			
Nickel	519		10.0	ug/L	500		104	78-116			
Selenium	526		10.0	ug/L	500		105	82-127			
Silver	47.5		10.0	ug/L	50.0		95	80-128			
Tin	488	B	10.0	ug/L	500		98	83-117			
Vanadium	241		10.0	ug/L	250		96	78-117			
Zinc	512		10.0	ug/L	500		102	80-120			

Matrix Spike (8D21002-MS1)

Source: C804069-01

Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	506		10.0	ug/L	500	2.0 U	101	64-126			
Barium	583		10.0	ug/L	500	66.4	103	74-119			
Beryllium	261		1.00	ug/L	250	0.70 U	105	70-131			
Cadmium	262		1.00	ug/L	250	0.50 U	105	68-121			
Chromium	502		10.0	ug/L	500	2.0 U	100	73-120			
Cobalt	510		10.0	ug/L	500	13.3	99	76-120			
Copper	256		10.0	ug/L	250	4.00	101	75-123			
Lead	505		10.0	ug/L	500	2.4	101	68-126			
Nickel	520		10.0	ug/L	500	7.8	102	64-126			
Selenium	524		10.0	ug/L	500	2.0 U	105	65-129			
Silver	48.5		10.0	ug/L	50.0	2.0 U	97	69-121			
Tin	485	B	10.0	ug/L	500	2.0 U	97	81-124			
Vanadium	238		10.0	ug/L	250	1.0 U	95	71-130			
Zinc	518		10.0	ug/L	500	14.7	101	63-131			

Matrix Spike Dup (8D21002-MSD1)

Source: C804069-01

Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	517		10.0	ug/L	500	2.0 U	103	64-126	2	12	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D21002 - EPA 3005A

Matrix Spike Dup (8D21002-MSD1) Continued Prepared: 04/21/2008 07:27 Analyzed: 04/23/2008 11:51

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Barium	595		10.0	ug/L	500	66.4	106	74-119	2	11	
Beryllium	266		1.00	ug/L	250	0.70 U	106	70-131	2	21	
Cadmium	267		1.00	ug/L	250	0.50 U	107	68-121	2	12	
Chromium	510		10.0	ug/L	500	2.0 U	102	73-120	2	10	
Cobalt	521		10.0	ug/L	500	13.3	101	76-120	2	17	
Copper	260		10.0	ug/L	250	4.00	102	75-123	1	16	
Lead	514		10.0	ug/L	500	2.4	102	68-126	2	19	
Nickel	530		10.0	ug/L	500	7.8	104	64-126	2	12	
Selenium	530		10.0	ug/L	500	2.0 U	106	65-129	1	10	
Silver	47.9		10.0	ug/L	50.0	2.0 U	96	69-121	1	12	
Tin	495	B	10.0	ug/L	500	2.0 U	99	81-124	2	18	
Vanadium	242		10.0	ug/L	250	1.0 U	97	71-130	2	16	
Zinc	533		10.0	ug/L	500	14.7	104	63-131	3	24	

Batch 8D21003 - EPA 3005A

Blank (8D21003-BLK1) Prepared: 04/21/2008 07:34 Analyzed: 04/24/2008 14:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	1.00	ug/L							

LCS (8D21003-BS1) Prepared: 04/21/2008 07:34 Analyzed: 04/24/2008 14:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.1		2.00	ug/L	25.0		112	85-115			
Thallium	28.6		1.00	ug/L	25.0		114	85-115			

Matrix Spike (8D21003-MS1) Prepared: 04/21/2008 07:34 Analyzed: 04/24/2008 14:41

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.6		2.00	ug/L	25.0	0.68 U	110	85-115			
Thallium	28.9		1.00	ug/L	25.0	0.120	115	85-115			

Matrix Spike Dup (8D21003-MSD1) Prepared: 04/21/2008 07:34 Analyzed: 04/24/2008 14:44

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0	0.68 U	100	85-115	10	20	
Thallium	26.6		1.00	ug/L	25.0	0.120	106	85-115	8	20	

Batch 8D22007 - EPA 7470A

Blank (8D22007-BLK1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:20

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QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D22007 - EPA 7470A

Blank (8D22007-BLK1) Continued Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:20

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

LCS (8D22007-BS1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.96		0.20	ug/L	5.00		99	87-123			

Matrix Spike (8D22007-MS1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:30

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.75		0.20	ug/L	5.00	0.41	87	63-132			

Matrix Spike Dup (8D22007-MSD1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:34

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.98		0.20	ug/L	5.00	0.41	91	63-132	5	10	

Post Spike (8D22007-PS1) Prepared: 04/22/2008 09:33 Analyzed: 04/23/2008 16:43

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.55		0.20	ug/L	5.00	0.41	103	0-200			

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

Batch 8D24002 - EPA 3005A

Blank (8D24002-BLK1) Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 14:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.0	U	10.0	ug/L							
Barium	**0.50**	**J**	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**	**J**	10.0	ug/L							

LCS (8D24002-BS1) Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 14:39

QUALITY CONTROL

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

Batch 8D24002 - EPA 3005A

LCS (8D24002-BS1) Continued Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 14:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	488		10.0	ug/L	500		98	82-117			
Barium	516	B	10.0	ug/L	500		103	72-125			
Beryllium	252		1.00	ug/L	250		101	75-121			
Cadmium	256		1.00	ug/L	250		103	72-120			
Chromium	490		10.0	ug/L	500		98	78-119			
Cobalt	484		10.0	ug/L	500		97	76-117			
Copper	247		10.0	ug/L	250		99	80-117			
Lead	487		10.0	ug/L	500		97	72-121			
Nickel	505		10.0	ug/L	500		101	78-116			
Selenium	505		10.0	ug/L	500		101	82-127			
Silver	46.0		10.0	ug/L	50.0		92	80-128			
Vanadium	235		10.0	ug/L	250		94	78-117			
Zinc	497	B	10.0	ug/L	500		99	80-120			

Matrix Spike (8D24002-MS1) Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 14:53

Source: C804069-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	487		10.0	ug/L	500	2.0 U	97	64-126			
Barium	631	B	10.0	ug/L	500	115	103	74-119			
Beryllium	252		1.00	ug/L	250	0.70 U	101	70-131			
Cadmium	250		1.00	ug/L	250	0.50 U	100	68-121			
Chromium	466		10.0	ug/L	500	2.0 U	93	73-120			
Cobalt	584		10.0	ug/L	500	105	96	76-120			
Copper	236		10.0	ug/L	250	0.60 U	94	75-123			
Lead	479		10.0	ug/L	500	2.0 U	96	68-126			
Nickel	514		10.0	ug/L	500	14.9	100	64-126			
Selenium	496		10.0	ug/L	500	2.0 U	99	65-129			
Silver	46.1		10.0	ug/L	50.0	2.0 U	92	69-121			
Vanadium	168		10.0	ug/L	250	1.0 U	67	71-130			QM-07
Zinc	516	B	10.0	ug/L	500	31.0	97	63-131			

Matrix Spike Dup (8D24002-MSD1) Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 15:00

Source: C804069-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	480		10.0	ug/L	500	2.0 U	96	64-126	1	12	
Barium	626	B	10.0	ug/L	500	115	102	74-119	0.9	11	
Beryllium	250		1.00	ug/L	250	0.70 U	100	70-131	0.8	21	
Cadmium	248		1.00	ug/L	250	0.50 U	99	68-121	1	12	
Chromium	462		10.0	ug/L	500	2.0 U	92	73-120	0.8	10	
Cobalt	580		10.0	ug/L	500	105	95	76-120	0.6	17	
Copper	235		10.0	ug/L	250	0.60 U	94	75-123	0.2	16	
Lead	473		10.0	ug/L	500	2.0 U	95	68-126	1	19	
Nickel	507		10.0	ug/L	500	14.9	98	64-126	1	12	
Selenium	491		10.0	ug/L	500	2.0 U	98	65-129	1	10	
Silver	46.5		10.0	ug/L	50.0	2.0 U	93	69-121	0.9	12	
Vanadium	167		10.0	ug/L	250	1.0 U	67	71-130	0.7	16	QM-07

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QUALITY CONTROL

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

Batch 8D24002 - EPA 3005A

Matrix Spike Dup (8D24002-MSD1) Continued Prepared: 04/24/2008 07:14 Analyzed: 04/28/2008 15:00

Source: C804069-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	511	B	10.0	ug/L	500	31.0	96	63-131	0.9	24	

Batch 8D24003 - EPA 3005A

Blank (8D24003-BLK1) Prepared: 04/24/2008 07:17 Analyzed: 04/28/2008 11:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	1.00	ug/L							

LCS (8D24003-BS1) Prepared: 04/24/2008 07:17 Analyzed: 04/28/2008 11:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.4		2.00	ug/L	25.0		106	85-115			
Thallium	26.6		1.00	ug/L	25.0		106	85-115			

Matrix Spike (8D24003-MS1) Prepared: 04/24/2008 07:17 Analyzed: 04/28/2008 11:43

Source: C804069-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.9		2.00	ug/L	25.0	0.68 U	107	85-115			
Thallium	26.4		1.00	ug/L	25.0	0.036 U	106	85-115			

Matrix Spike Dup (8D24003-MSD1) Prepared: 04/24/2008 07:17 Analyzed: 04/28/2008 11:46

Source: C804069-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.6		2.00	ug/L	25.0	0.68 U	106	85-115	1	20	
Thallium	26.6		1.00	ug/L	25.0	0.036 U	106	85-115	0.6	20	

Classical Chemistry Parameters - Quality Control

Batch 8D21004 - NO PREP

Blank (8D21004-BLK1) Prepared: 04/21/2008 10:47 Analyzed: 04/22/2008 10:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	4.0	U	5.0	ug/L							

Blank (8D21004-BLK2) Prepared: 04/21/2008 15:38 Analyzed: 04/22/2008 10:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	4.0	U	5.0	ug/L							

LCS (8D21004-BS1) Prepared: 04/21/2008 10:47 Analyzed: 04/22/2008 10:13

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8D21004 - NO PREP

LCS (8D21004-BS1) Continued Prepared: 04/21/2008 10:47 Analyzed: 04/22/2008 10:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	150		5.0	ug/L	150		98	85-115			

Matrix Spike (8D21004-MS1) Prepared: 04/21/2008 15:38 Analyzed: 04/22/2008 10:36

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	72		5.0	ug/L	150	4.0 U	48	85-115			QM-13

Matrix Spike Dup (8D21004-MSD1) Prepared: 04/21/2008 15:38 Analyzed: 04/22/2008 10:38

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	100		5.0	ug/L	150	4.0 U	66	85-115	33	20	QM-13

Batch 8D22027 - NO PREP

Blank (8D22027-BLK1) Prepared: 04/22/2008 14:03 Analyzed: 04/24/2008 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	4.0	U	5.0	ug/L							

LCS (8D22027-BS1) Prepared: 04/22/2008 14:03 Analyzed: 04/24/2008 10:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	150		5.0	ug/L	150		100	85-115			

Matrix Spike (8D22027-MS1) Prepared: 04/22/2008 14:03 Analyzed: 04/24/2008 11:00

Source: C804069-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	84		5.0	ug/L	150	4.0 U	56	85-115			QM-14

Matrix Spike Dup (8D22027-MSD1) Prepared: 04/22/2008 14:03 Analyzed: 04/24/2008 11:02

Source: C804069-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	61		5.0	ug/L	150	4.0 U	41	85-115	32	20	QM-14

Batch 8D23004 - NO PREP

Blank (8D23004-BLK1) Prepared & Analyzed: 04/21/2008 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.10	U	0.10	mg/L							

LCS (8D23004-BS1) Prepared & Analyzed: 04/21/2008 14:08

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QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8D23004 - NO PREP

LCS (8D23004-BS1) Continued

Prepared & Analyzed: 04/21/2008 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.39		0.10	mg/L	0.401		98	80-120			

LCS Dup (8D23004-BSD1)

Prepared & Analyzed: 04/21/2008 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.40		0.10	mg/L	0.401		100	80-120	3	200	

Duplicate (8D23004-DUP1)

Source: C804069-01

Prepared & Analyzed: 04/21/2008 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.10	U	0.10	mg/L		0.10 U				200	

Batch 8D23015 - NO PREP

Blank (8D23015-BLK1)

Prepared: 04/23/2008 11:03 Analyzed: 04/23/2008 14:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	480	U	5000	ug/L							

LCS (8D23015-BS1)

Prepared: 04/23/2008 11:03 Analyzed: 04/23/2008 14:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100		104	80-120			

Matrix Spike (8D23015-MS1)

Source: C804069-01

Prepared: 04/23/2008 11:03 Analyzed: 04/23/2008 14:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	110		5.0	mg/L	100	1.7	104	80-120			

Matrix Spike Dup (8D23015-MSD1)

Source: C804069-01

Prepared: 04/23/2008 11:03 Analyzed: 04/23/2008 14:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100	1.7	99	80-120	4	25	

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 8D22005 - EPA 3510C

Blank (8D22005-BLK1)

Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 04:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	0.12	U	0.50	ug/L							
Pentachlorophenol	0.13	U	0.50	ug/L							

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 8D22005 - EPA 3510C

Blank (8D22005-BLK1) Continued Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 04:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	0.11	U	0.50	ug/L							
2,4,5-T	0.11	U	0.50	ug/L							
Dinoseb	0.23	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*2.1*			*ug/L*	*2.00*		*104*	*77-191*			

LCS (8D22005-BS1) Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 04:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	2.1		0.50	ug/L	2.00		105	85-140			
2,4,5-TP (Silvex)	2.7		0.50	ug/L	2.00		136	74-177			
Surrogate: 2,4-DCAA	*2.4*			*ug/L*	*2.00*		*122*	*77-191*			

Matrix Spike (8D22005-MS1) Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 05:10

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	2.3		0.50	ug/L	2.00	0.21 U	113	85-140			
2,4,5-TP (Silvex)	2.9		0.50	ug/L	2.00	0.12 U	144	74-177			
Surrogate: 2,4-DCAA	*2.9*			*ug/L*	*2.00*		*144*	*77-191*			

Matrix Spike Dup (8D22005-MSD1) Prepared: 04/22/2008 11:14 Analyzed: 04/25/2008 05:43

Source: C804069-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	2.1		0.50	ug/L	2.00	0.21 U	107	85-140	5	18	
2,4,5-TP (Silvex)	2.8		0.50	ug/L	2.00	0.12 U	141	74-177	2	10	
Surrogate: 2,4-DCAA	*2.8*			*ug/L*	*2.00*		*139*	*77-191*			

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FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-13	Suspected matrix effects
QM-14	Confirmed matrix effects
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.