02-01
1600
unlined
12-30-04

[redacted]
173

Semi-Annual Groundwater Sampling and Analysis Report

Prepared for

Alexander County Closed Landfill
Taylorsville, North Carolina

December, 2004

Received
MAY 2005
Solid Waste
Section

MESCO Project Number: G04003.0

Completed on May 11, 2005

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

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

May 11, 2005

Mr. Matt Gamble
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Groundwater Assessment Monitoring Sampling and Analysis
Alexander County Closed Sanitary Landfill
MESCO Project No. G04003.0

Dear Mr. Gamble:

Municipal Engineering Services Company, P.A. (MESCO), sampled the Alexander County Closed Sanitary Landfill for Appendix I list of constituents on December 29 & 30, 2004. All of the monitoring locations were sampled with the exception of MW-1A and MW-2 which were dry. Environmental Conservation Laboratories, Inc. (ENCO) of Cary, North Carolina completed the lab analyses, the results of which are included herein.

All detected constituents were analyzed for regulatory exceedance with reference to North Carolina Groundwater Standards. The results are shown in the enclosed table titled "Exceedance Scan". The following table (Table 1) summarizes those constituents that exceeded the Standard.

Table 1. Exceedance Summary

Well	Chromium	Lead	Benzene	Dichloromethane
MW-1			x	
MW-3		x	x	
MW-5	x	x		
MW-11			x	
MW-12			x	
MW-15				x

x = concentration greater than groundwater standard

Inorganic constituents detections continue to decrease likely a result of the use of a low flow pump which tends to lower the turbidity levels considerably compared to the baler method. However, Volatile Organic Compounds (VOCs) continue to be found in several of the compliance wells. The detected VOCs continue to be primarily chlorinated compounds such as 1,1-dichloroethane, cis-1,2-dichloroethene, as well as benzene and xylene. Benzene apparently continues to migrate in a northwest direction as evidenced by its consistent detections within MW-3 and MW-11. Compliance well MW-12, located north of the closed landfill, also continues to contain VOC detections with concentrations of benzene above the MCL. The deeper well MW-12D was found to be free of all contaminants during the last two sampling events.

PO Box 97, Garner, North Carolina 27529 (919) 772-5393
PO Box 828, Morehead City, NC 28557 (252) 726-9481 PO Box 349, Boone, North Carolina 28607 (828) 262-1767

The background area, located at the south property line, was found to contain a few VOC detections with benzene found above the MCL within MW-1. MW-1B, located slightly further south of MW-1, was free of VOCs.

MESCO completed the enclosed potentiometric map with groundwater elevations on the day of sampling, flow rates and direction. Chain of Custody sheets as well as field sampling data sheets have also been included. The site will continue assessment monitoring and will again be sampled in June 2005. If you have any questions or comments regarding this report, please contact me at (919) 772-5393 or by email at jpfohl@mesco.com.

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

Jonathan Pfohl
Environmental Specialist

Enclosures
cc: Mr. John Byrd
Alexander County

Exceedance Scan
Alexander County Closed Landfill

Well ID	Parameter Name [1]	Sample Date	Result	Unit	PQL [2]	MCL [3]	Exceedance
MW-1	Cobalt, total	12/30/2004	0.018	mg/L	0.01	-	
MW-1	Zinc, total	12/30/2004	0.15	mg/L	0.05	2.1	
MW-11	Cobalt, total	12/29/2004	0.12	mg/L	0.01	-	
MW-14	Cobalt, total	12/29/2004	0.11	mg/L	0.01	-	
MW-17	Cobalt, total	12/30/2004	0.017	mg/L	0.01	-	
MW-1B	Cobalt, total	12/30/2004	0.12	mg/L	0.01	-	
MW-3	**Lead, total**	**12/29/2004**	**0.025**	**mg/L**	**0.01**	**0.015**	**0.01**
MW-3	Nickel, total	12/29/2004	0.053	mg/L	0.05	0.1	
MW-4R	Cobalt, total	12/29/2004	0.2	mg/L	0.01	-	
MW-5	**Chromium, total**	**12/29/2004**	**0.34**	**mg/L**	**0.01**	**0.05**	**0.29**
MW-5	Cobalt, total	12/29/2004	0.011	mg/L	0.01	-	
MW-5	**Lead, total**	**12/29/2004**	**0.027**	**mg/L**	**0.01**	**0.015**	**0.012**
MW-5	Nickel, total	12/29/2004	0.055	mg/L	0.05	0.1	
MW-5	Zinc, total	12/29/2004	0.082	mg/L	0.05	2.1	
MW-6	Cobalt, total	12/29/2004	0.025	mg/L	0.01	-	
MW-9	Cobalt, total	12/29/2004	0.068	mg/L	0.01	-	
MW-9	Lead, total	12/29/2004	0.01	mg/L	0.01	0.015	
MW-9	Zinc, total	12/29/2004	0.088	mg/L	0.05	2.1	
SW-3	Cobalt, total	12/29/2004	0.017	mg/L	0.01	-	
SW-5	Cobalt, total	12/29/2004	0.018	mg/L	0.01	-	
MW-1	**Benzene**	**12/30/2004**	**5.7**	**ug/L**	**5**	**1**	**4.7**
MW-1	cis-1,2-Dichloroethene	12/30/2004	11	ug/L	5	70	
MW-11	1,4-Dichlorobenzene	12/29/2004	8.4	ug/L	5	75	
MW-11	**Benzene**	**12/29/2004**	**5.6**	**ug/L**	**5**	**1**	**4.6**
MW-11	cis-1,2-Dichloroethene	12/29/2004	38	ug/L	5	70	
MW-12	1,4-Dichlorobenzene	12/30/2004	6.2	ug/L	5	75	
MW-12	**Benzene**	**12/30/2004**	**5.8**	**ug/L**	**5**	**1**	**4.8**
MW-12	cis-1,2-Dichloroethene	12/30/2004	12	ug/L	5	70	
MW-14	cis-1,2-Dichloroethene	12/29/2004	7.5	ug/L	5	70	
MW-15	1,1-Dichloroethane	12/30/2004	26	ug/L	5	700	
MW-15	**Dichloromethane**	**12/30/2004**	**13**	**ug/L**	**10**	**5**	**8**
MW-17	1,1-Dichloroethane	12/30/2004	6.3	ug/L	5	700	
MW-1B	cis-1,2-Dichloroethene	12/30/2004	5.3	ug/L	5	70	
MW-1B	Xylene	12/30/2004	5	ug/L	5	530	
MW-3	1,4-Dichlorobenzene	12/29/2004	8.9	ug/L	5	75	
MW-3	**Benzene**	**12/29/2004**	**8.5**	**ug/L**	**5**	**1**	**7.5**
MW-3	cis-1,2-Dichloroethene	12/29/2004	18	ug/L	5	70	
MW-3	Xylene	12/29/2004	13	ug/L	5	530	
MW-4R	1,1-Dichloroethane	12/29/2004	7.5	ug/L	5	700	
MW-4R	cis-1,2-Dichloroethene	12/29/2004	20	ug/L	5	70	
MW-5	cis-1,2-Dichloroethene	12/29/2004	10	ug/L	5	70	
MW-7	1,1-Dichloroethane	12/30/2004	6.3	ug/L	5	700	
MW-7	cis-1,2-Dichloroethene	12/30/2004	7.2	ug/L	5	70	
MW-8	cis-1,2-Dichloroethene	12/30/2004	6.1	ug/L	5	70	
MW-9	cis-1,2-Dichloroethene	12/29/2004	13	ug/L	5	70	

[1] Table only contains detected constituents.
[2] PQL = Practical Quantitation Limit
[3] MCL = Maximum Contaminant Level (North Carolina Groundwater Standard)

Hydrologic Properties at Monitoring Well Locations
Alexander County Closed Sanitary Landfill

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient	Flow Rate (ft/yr)	Flow Direction	Water Table Depth (ft)	Water Table Elev. (ft)
MW-1	5.60E-05	1%	0.07	384.3	N0W	35.85	1044.69
MW-3	3.90E-06	1%	0.37	148.1	N19W	25.42	999.13
MW-4R	4.90E-04	15%	0.05	155.5	N12W	15.87	996.77
MW-5	6.40E-05	15%	0.06	28.6	N33W	40.08	1011.18
MW-6	2.40E-05	1%	0.46	1135.8	N81E	27.3	983.49
MW-7	1.60E-06	1%	0.10	17.2	N3E	40.72	968.52
MW-8	1.30E-05	1%	0.08	109.6	S6W	10.8	1011.21
MW-9	-	-	0.01	-	N30W	11.35	984.92
MW-10	-	-	0.02	-	N0E	37.47	1003.33
MW-11	-	-	0.02	-	N1W	38.4	973.56
MW-12	-	-	0.06	-	N5W	51.4	955.95
MW-13	-	-	0.00	-	N41E	34.56	970
MW-14	-	-	0.08	-	S63E	37.28	960.16
MW-15	-	-	0.12	-	N49E	22.54	1000.9

NOTE: All values for hydraulic conductivity obtained from GAI Consultants Sampling Report (April, 1995).
Hydrologic Gradient taken from the December 29 & 30, 2004 sampling event.

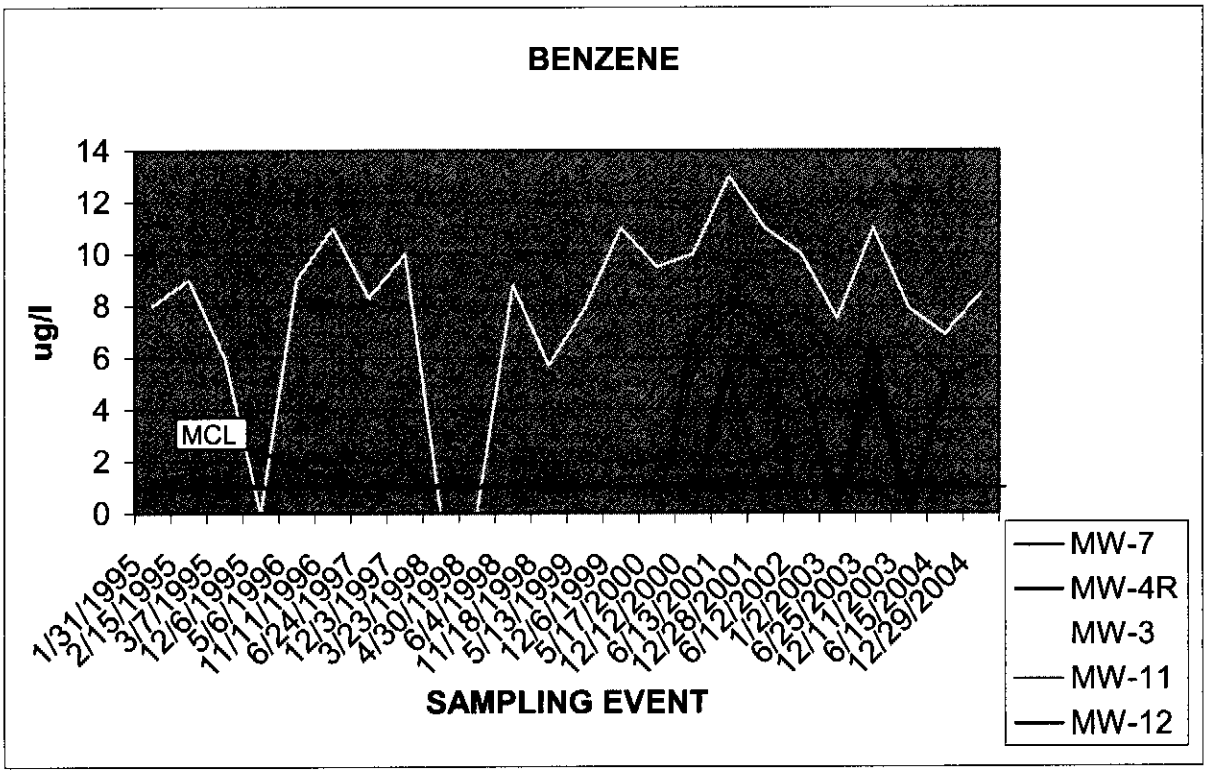
Flow rate (Q) is defined by the equation:

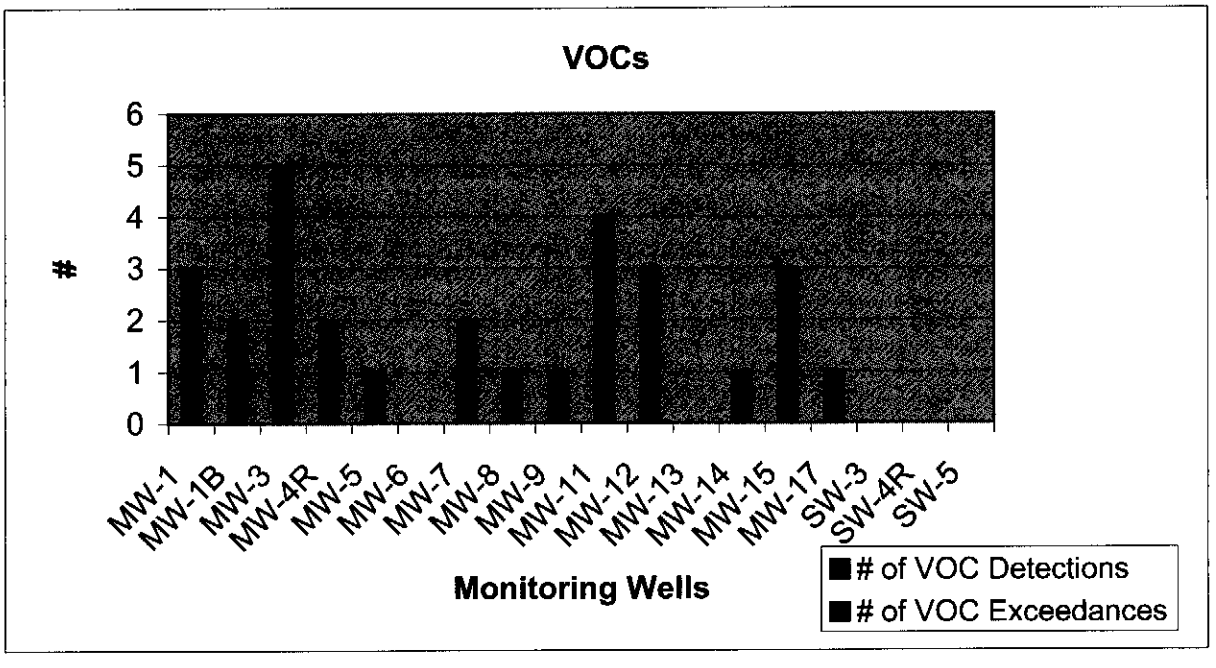
where

$$Q = -\frac{K}{n_e} \cdot \frac{dh}{dl}$$

K = hydraulic conductivity
n_e = effective porosity
dh = head difference
dl = horizontal distance

Histograms for Select Constituents (VOCs)
Alexander County Closed Sanitary Landfill





Sampling Data Sheet

Project: Alexander Co. Closed Landfill

Samplers: J. Pfohl

Monitoring Point	Sample Date	Sample Time	Sampling Parameters					Water Quality Parameters				
			Depth to Water	Reference Point	Volume Purged	Sample Type	Sampling Depth	pH	Temp.	Specific Cond.	Turbidity	Total Depth
MW-6	12/29/04	10:30	27.30	6	27.30	SS Baler	Interface	6.93	15.4	190	clear	42
MW-13	12/29/04	11:10	34.56	12	34.56	SS Baler	Interface	6.91	16.1	170	clear	60.5
MW-14	12/29/04	11:55	37.28		Baled Dry	SS Baler	Interface	6.90	15.9	160	clear	40.5
MW-2	No Sample	—	Dry	—	—	—	—	—	—	—	—	—
MW-9	12/29/04	1:00	11.35		Purged Dry	Waterpump	Bottom	7.03	16.0	180	clear	31.5
MW-5		1:40	40.08		Purged Dry	waterpump	Bottom	6.97	16.0	190	clear	49.1
MW-4R		2:30	15.87		2	waterpump	Interface	6.99	15.9	160	clear	21.5
MW-10		3:15	37.47		25	pump then Disp. Baler		6.97	15.8	130	clear	91
SW-5		3:40	—		—	Dip	—	7.01	10.4	100	clear	—
SW-3		3:55	—		—	Dip	—	7.02	10.3	120	clear	—
MW-3		4:25	25.42		Baled Dry	S.S Baler	Bottom	6.96	16.3	480	clear	33
MW-11		5:00	38.40		28	S.S Baler	Interface	6.93	16.2	360	clear	56
MW-12	12/30/04	8:00	51.40		6.5	SS Baler	Interface	6.97	16.1	380	clear	66.5
MW-12D		8:30	55.68	MS/MSD	Baled Dry	Disp. Baler	Bottom	6.91	15.6	300	clear	102.5
MW-7		9:45	40.72		Baled Dry	S.S Baler	Bottom	6.92	16.3	360	clear	54
MW-8		10:46	10.80		Purged Dry	waterpump	Bottom	6.99	16.4	300	clear	28.5
MW-17		11:30	19.68		Baled Dry	SS Baler	Bottom	6.97	16.1	120	clear	22.3
MW-15		12:10	22.54		Purged Dry	waterpump	Bottom	6.91	16.1	160	clear	35

Comments

Sampling Data Sheet

Project: Alexander Co. Closed Landfill

Samplers: J. Pfohl Page 2 of 2

Monitoring Point	Sample Date	Sample Time	Sampling Parameters					Water Quality Parameters				
			Depth to Water	Reference Point	Volume Purged	Sample Type	Sampling Depth	pH	Temp.	Specific Cond.	Turbidity	Total Depth
MW-1	12/30/04	1:50	35.85		Baled Dry	SS Bailer	Bottom	6.93	15.8	140	clear	40
MW-1B		2:35	44.40		Baled Dry	SS Bailer	Interface	6.97	15.7	130	Slightly T	48.5
MW-1A	No Sample		DRY		—	—	—				—	—
SW-4R		3:40	—		—	Dip		7.01	10.6	80	clear	—
EB		3:50	—			SS Bailer	—					
FB		3:55	—			—	—					
TB	ENCO FILLED		—									

Comments

QSARF #_____

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Alexander Co. Closed LF
PROJECT NO.: 604003.0
P.O. NUMBER:
PROJECT LOC. (State): NC
SAMPLER(s) NAME: J. Pfohl
PHONE: (919) 772-5393
FAX: (919) 772-1176
CLIENT NAME: Municipal Engineering Services
CLIENT PROJECT MANAGER: J. Pfohl
CLIENT ADDRESS (CITY, STATE, ZIP): PO Box 97 Garner NC 27529

PAGE 1 OF 2

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:_____

STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	NC App I VOCs	NC App I Metals	REMARKS
					PRESERVATIVE										3		
					NUMBER OF CONTAINERS SUBMITTED												
1	12/29/04	10:30	X		MW-6		X								X	X	
2		11:10			MW-13												
3		11:55			MW-14												
4		1:00			MW-9												
5		1:40			MW-5												
6		2:30			MW-4R												
7		3:15			MW-10												
8		3:40			SW-5	X											
9		3:55			SW-3	X											
10		4:25			MW-3		X										
11		5:00			MW-11		X										
12	12/30/04	8:00	X		MW-12 ~~(MS/MSD)~~		X								6		
13		8:30	X		MW-12D (MS/MSD)		X										
14		9:45	X		MW-7		X										

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO ☑CARY	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
				1/3/05	11:45		1/3/05	11:45
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☑CARY ☐ Jacksonville ☐ Orlando	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
	1/3/05	12:50	X YES ☐ NO	CRY17237	1.3°C 4.4°C

QSARF #_____

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Alexander Co. Closed LF
PROJECT NO.: G04003.0
P.O. NUMBER:
PAGE 2 OF 2

PROJECT LOC. (State): NC
SAMPLER(s) NAME: J. Pfohl
PHONE (919) 772-5393
FAX (919) 772-1176

CLIENT NAME: Municipal Engineering Services
CLIENT PROJECT MANAGER: J. Pfohl
CLIENT ADDRESS (CITY, STATE, ZIP): PO Box 97 Garner NC 27529

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due: _____

MATRIX TYPE / REQUIRED ANALYSIS / PRESERVATIVE / NUMBER OF CONTAINERS SUBMITTED

STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER DI water from ENCO		NC App I VOCs	NC App I Metals							REMARKS
																3								
1	12/30/04	10:40	X		MW-8		X									X	X							
2		11:30			MW-17																			
3		12:10			MW-15																			
4		1:50			MW-1																			
5		2:35			MW-1B																			
6		3:40			SW-4R	X																		
7	12/30/04	3:50	X		EB									X		X								
8		3:55	X		FB									X		X								
9		ENCO FILLED			TB									X		X								
10																								
11																								
12																								
13																								
14																								

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO ☒CARY	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
				1/3/05	11:45		1/3/05	11:45
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
☐ Jacksonville ☐ Orlando	1/3/05	12:50	☒ YES ☐ NO	CRY1237	

Laboratory Results

G04003.0
Alexander Co. Closed LF
1/21/05 J. Pfohl

Environmental Conservation Laboratories, Inc.
1015 Passport Way
Cary, North Carolina 27513-2042
919 / 677-1669
Fax 919 / 677-9846
www.encolabs.com

ENCO Laboratories

DHRS Certification No. E82277

CLIENT : Municipal Engineering Services
ADDRESS: 1140 Benson Road
Garner, NC 27529

REPORT # : CRY17237
DATE SUBMITTED: January 3, 2005
DATE REPORTED : January 13, 2005

ATTENTION: Jonathan Pfohl

MUNICIPAL ENGINEERING
JAN 20 2005

SAMPLE IDENTIFICATION

Samples submitted and identified by client as:

REFERENCE: G03003.0

Alexander Co. Closed LF

CRY17237-1	: MW-6	@ 10:30 (12/29/04)
CRY17237-2	: MW-13	@ 11:10 (12/29/04)
CRY17237-3	: MW-14	@ 11:55 (12/29/04)
CRY17237-4	: MW-9	@ 13:00 (12/29/04)
CRY17237-5	: MW-5	@ 13:40 (12/29/04)
CRY17237-6	: MW-4R	@ 14:30 (12/29/04)
CRY17237-7	: MW-10	@ 15:15 (12/29/04)
CRY17237-8	: SW-5	@ 15:40 (12/29/04)
CRY17237-9	: SW-3	@ 15:55 (12/29/04)
CRY17237-10	: MW-3	@ 16:25 (12/29/04)
CRY17237-11	: MW-11	@ 17:00 (12/29/04)
CRY17237-12	: MW-12	@ 08:00 (12/30/04)

Environmental Conservation Laboratories, Inc.
1015 Passport Way
Cary, North Carolina 27513-2042
919 / 677-1669
Fax 919 / 677-9846
www.encolabs.com

ENCO Laboratories

DHRS Certification No. E82277

CLIENT : Municipal Engineering Services
ADDRESS: 1140 Benson Road
Garner, NC 27529

REPORT # : CRY17237
DATE SUBMITTED: January 3, 2005
DATE REPORTED : January 13, 2005

ATTENTION: Jonathan Pfohl

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: G03003.0

Alexander Co. Closed LF

CRY17237-13	: MW-7	@ 09:45 (12/30/04)
CRY17237-14	: MW-8	@ 10:40 (12/30/04)
CRY17237-15	: MW-17	@ 11:30 (12/30/04)
CRY17237-16	: MW-15	@ 12:10 (12/30/04)
CRY17237-17	: MW-1	@ 13:50 (12/30/04)
CRY17237-18	: MW-1B	@ 14:35 (12/30/04)
CRY17237-19	: SW-4R	@ 15:40 (12/30/04)
CRY17237-22	: MW-12D(MS/MSD)	@ 08:30 (12/30/04)
CRY17237-23	: EB	@ 15:50 (12/30/04)
CRY17237-24	: FB	@ 15:55 (12/30/04)
CRY17237-25	: TB	@ 00:00 (12/30/04)

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 2002). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER Chuck Smith

ENCO LABORATORIES
REPORT # : CRY17237
DATE REPORTED: January 13, 2005
REFERENCE : G03003.0
PROJECT NAME : Alexander Co. Closed LF

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	MW-6	MW-13	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.)

VOLATILE ORGANICS	MW-6	MW-13	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	91	94	73-138
D8-Toluene	97	98	77-118
Bromofluorobenzene	91	89	70-130
Date Analyzed	01/05/05 17:11	01/05/05 17:37	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-6	MW-13	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Cobalt	6010	**0.025**	0.010 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-6	MW-13	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 13:23	01/12/05 13:30	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	**MW-14**	**MW-9**	**Units**
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	**7.5**	**13**	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	MW-14	MW-9	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	94	91	73-138
D8-Toluene	96	95	77-118
Bromofluorobenzene	86	86	70-130
Date Analyzed	01/05/05 18:04	01/06/05 11:08	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-14	MW-9	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Cobalt	6010	**0.11**	**0.068**	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Lead	6010	0.010 U	**0.010**	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-14	MW-9	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	
Zinc	6010	0.050 U	**0.088**	mg/L
Date Analyzed		01/12/05 14:17	01/12/05 14:24	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	MW-5	MW-4R	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	**7.5**	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	**10**	**20**	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	MW-5	MW-4R	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	96	100	73-138
D8-Toluene	97	98	77-118
Bromofluorobenzene	90	89	70-130
Date Analyzed	01/06/05 11:35	01/06/05 12:01	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-5	MW-4R	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Chromium	6010	**0.34**	0.010 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Cobalt	6010	**0.011**	**0.20**	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Lead	6010	**0.027**	0.010 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Nickel	6010	**0.055**	0.050 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-5	MW-4R	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	
Zinc	6010	**0.082**	0.050 U	mg/L
Date Analyzed		01/12/05 14:31	01/12/05 14:38	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	MW-10	SW-5	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	MW-10	SW-5	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	95	94	73-138
D8-Toluene	98	99	77-118
Bromofluorobenzene	88	88	70-130
Date Analyzed	01/06/05 12:27	01/06/05 12:53	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-10	SW-5	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Cobalt	6010	0.010 U	**0.018**	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-10	SW-5	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 14:45	01/12/05 14:52	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	SW-3	MW-3	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	**18**	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	**8.5**	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	SW-3	MW-3	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	**13**	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	**8.9**	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	98	97	73-138
D8-Toluene	100	95	77-118
Bromofluorobenzene	89	92	70-130
Date Analyzed	01/06/05 13:20	01/06/05 13:46	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	SW-3	MW-3	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Cobalt	6010	**0.017**	0.010 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Lead	6010	0.010 U	**0.025**	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Nickel	6010	0.050 U	**0.053**	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	SW-3	MW-3	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 14:59	01/12/05 15:06	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	MW-11	MW-12	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	**38**	**12**	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	**5.6**	**5.8**	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	MW-11	MW-12	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	**8.4**	**6.2**	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	96	92	73-138
D8-Toluene	94	101	77-118
Bromofluorobenzene	92	89	70-130
Date Analyzed	01/06/05 14:12	01/06/05 14:38	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-11	MW-12	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Cobalt	6010	**0.12**	0.010 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-11	MW-12	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 15:13	01/12/05 15:20	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	MW-7	MW-8	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	**6.3**	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	**7.2**	**6.1**	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	MW-7	MW-8	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	92	97	73-138
D8-Toluene	98	98	77-118
Bromofluorobenzene	85	90	70-130
Date Analyzed	01/06/05 15:04	01/06/05 15:30	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-7	MW-8	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Cobalt	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-7	MW-8	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 15:43	01/12/05 15:50	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	MW-17	MW-15	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	**13**	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	**6.3**	**26**	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) - VOLATILE ORGANICS	MW-17	MW-15	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	92	94	73-138
D8-Toluene	94	96	77-118
Bromofluorobenzene	87	86	70-130
Date Analyzed	01/06/05 15:56	01/06/05 16:22	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-17	MW-15	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Cobalt	6010	**0.017**	0.010 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-17	MW-15	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 15:57	01/12/05 16:04	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	MW-1	MW-1B	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	**11**	**5.3**	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	**5.7**	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	MW-1	MW-1B	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	**5.0**	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	97	93	73-138
D8-Toluene	96	93	77-118
Bromofluorobenzene	87	86	70-130
Date Analyzed	01/06/05 16:48	01/06/05 17:14	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-1	MW-1B	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Cobalt	6010	**0.018**	**0.12**	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-1	MW-1B	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	
Zinc	6010	**0.15**	0.050 U	mg/L
Date Analyzed		01/12/05 16:11	01/12/05 16:18	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	SW-4R	MW-12D(MS/MSD)	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) - VOLATILE ORGANICS	SW-4R	MW-12D(MS/MSD)	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	94	93	73-138
D8-Toluene	92	95	77-118
Bromofluorobenzene	83	91	70-130
Date Analyzed	01/06/05 17:40	01/06/05 10:42	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	SW-4R	MW-12D(MS/MSD)	Units
Antimony	6010	0.030 U	0.030 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Barium	6010	0.50 U	0.50 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Cobalt	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Copper	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Selenium	6010	0.020 U	0.020 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	SW-4R	MW-12D(MS/MSD)	Units
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Thallium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Vanadium	6010	0.040 U	0.040 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/12/05 16:25	01/12/05 13:01	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	EB	FB	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	EB	FB	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	94	94	73-138
D8-Toluene	96	96	77-118
Bromofluorobenzene	83	87	70-130
Date Analyzed	01/06/05 18:06	01/06/05 18:32	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	TB	LAB BLANK	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.)

VOLATILE ORGANICS	TB	LAB BLANK	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	95	94	73-138
D8-Toluene	98	94	77-118
Bromofluorobenzene	89	92	70-130
Date Analyzed	01/07/05 09:38	01/05/05 08:12	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : CRY17237
DATE REPORTED: January 13, 2005
REFERENCE : G03003.0
PROJECT NAME : Alexander Co. Closed LF

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	TB	LAB BLANK	Units
Antimony	6010	NR	0.030 U	mg/L
Date Analyzed			01/12/05 12:47	
Arsenic	6010	NR	0.010 U	mg/L
Date Analyzed			01/12/05 12:47	
Barium	6010	NR	0.50 U	mg/L
Date Analyzed			01/12/05 12:47	
Beryllium	6010	NR	0.0020 U	mg/L
Date Analyzed			01/12/05 12:47	
Cadmium	6010	NR	0.0010 U	mg/L
Date Analyzed			01/12/05 12:47	
Chromium	6010	NR	0.010 U	mg/L
Date Analyzed			01/12/05 12:47	
Cobalt	6010	NR	0.010 U	mg/L
Date Analyzed			01/12/05 12:47	
Copper	6010	NR	0.20 U	mg/L
Date Analyzed			01/12/05 12:47	
Lead	6010	NR	0.010 U	mg/L
Date Analyzed			01/12/05 12:47	
Nickel	6010	NR	0.050 U	mg/L
Date Analyzed			01/12/05 12:47	
Selenium	6010	NR	0.020 U	mg/L
Date Analyzed			01/12/05 12:47	

NR = Analysis not requested for this sample.
U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	TB	LAB BLANK	Units
Silver	6010	NR	0.010 U	mg/L
Date Analyzed			01/12/05 12:47	
Thallium	6010	NR	0.010 U	mg/L
Date Analyzed			01/12/05 12:47	
Vanadium	6010	NR	0.040 U	mg/L
Date Analyzed			01/12/05 12:47	
Zinc	6010	NR	0.050 U	mg/L
Date Analyzed			01/12/05 12:47	

NR = Analysis not requested for this sample.
U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	LAB BLANK	LAB BLANK	Units
Chloromethane	10 U	10 U	ug/L
Vinyl Chloride	10 U	10 U	ug/L
Bromomethane	10 U	10 U	ug/L
Chloroethane	10 U	10 U	ug/L
Trichlorofluoromethane	5.0 U	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	5.0 U	ug/L
Acetone	100 U	100 U	ug/L
Iodomethane	10 U	10 U	ug/L
Carbon Disulfide	100 U	100 U	ug/L
Methylene Chloride	10 U	10 U	ug/L
Acrylonitrile	200 U	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	5.0 U	ug/L
Vinyl Acetate	50 U	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	5.0 U	ug/L
2-Butanone	100 U	100 U	ug/L
Bromochloromethane	5.0 U	5.0 U	ug/L
Chloroform	5.0 U	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	5.0 U	ug/L
Carbon tetrachloride	10 U	10 U	ug/L
1,2-Dichloroethane	5.0 U	5.0 U	ug/L
Benzene	5.0 U	5.0 U	ug/L
Trichloroethene	5.0 U	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) -

VOLATILE ORGANICS	LAB BLANK	LAB BLANK	Units
Dibromomethane	10 U	10 U	ug/L
Bromodichloromethane	5.0 U	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	10 U	ug/L
4-Methyl-2-Pentanone	100 U	100 U	ug/L
Toluene	5.0 U	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	5.0 U	ug/L
Tetrachloroethene	5.0 U	5.0 U	ug/L
2-Hexanone	50 U	50 U	ug/L
Dibromochloromethane	5.0 U	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	5.0 U	ug/L
Chlorobenzene	5.0 U	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
Ethylbenzene	5.0 U	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	5.0 U	ug/L
o-Xylene	5.0 U	5.0 U	ug/L
Styrene	10 U	10 U	ug/L
Bromoform	5.0 U	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	25 U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	93	93	73-138
D8-Toluene	98	98	77-118
Bromofluorobenzene	88	88	70-130
Date Analyzed	01/06/05 08:32	01/06/05 08:32	

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 - VOLATILE ORGANICS	LAB BLANK	Units
Chloromethane	10 U	ug/L
Vinyl Chloride	10 U	ug/L
Bromomethane	10 U	ug/L
Chloroethane	10 U	ug/L
Trichlorofluoromethane	5.0 U	ug/L
1,1-Dichloroethene	5.0 U	ug/L
Acetone	100 U	ug/L
Iodomethane	10 U	ug/L
Carbon Disulfide	100 U	ug/L
Methylene Chloride	10 U	ug/L
Acrylonitrile	200 U	ug/L
t-1,2-Dichloroethene	5.0 U	ug/L
1,1-Dichloroethane	5.0 U	ug/L
Vinyl Acetate	50 U	ug/L
c-1,2-Dichloroethene	5.0 U	ug/L
2-Butanone	100 U	ug/L
Bromochloromethane	5.0 U	ug/L
Chloroform	5.0 U	ug/L
1,1,1-Trichloroethane	5.0 U	ug/L
Carbon tetrachloride	10 U	ug/L
1,2-Dichloroethane	5.0 U	ug/L
Benzene	5.0 U	ug/L
Trichloroethene	5.0 U	ug/L
1,2-Dichloropropane	5.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : CRY17237
DATE REPORTED: January 13, 2005
REFERENCE : G03003.0
PROJECT NAME : Alexander Co. Closed LF

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I,8260 (cont.) - VOLATILE ORGANICS	LAB BLANK	Units
Dibromomethane	10 U	ug/L
Bromodichloromethane	5.0 U	ug/L
c-1,3-Dichloropropene	10 U	ug/L
4-Methyl-2-Pentanone	100 U	ug/L
Toluene	5.0 U	ug/L
t-1,3-Dichloropropene	10 U	ug/L
1,1,2-Trichloroethane	5.0 U	ug/L
Tetrachloroethene	5.0 U	ug/L
2-Hexanone	50 U	ug/L
Dibromochloromethane	5.0 U	ug/L
1,2-Dibromoethane	5.0 U	ug/L
Chlorobenzene	5.0 U	ug/L
1,1,1,2-Tetrachloroethane	5.0 U	ug/L
Ethylbenzene	5.0 U	ug/L
m-Xylene & p-Xylene	5.0 U	ug/L
o-Xylene	5.0 U	ug/L
Styrene	10 U	ug/L
Bromoform	5.0 U	ug/L
1,1,2,2-Tetrachloroethane	5.0 U	ug/L
1,2,3-Trichloropropane	15 U	ug/L
t-1,4-Dichloro-2-Butene	100 U	ug/L
1,4-Dichlorobenzene	5.0 U	ug/L
1,2-Dichlorobenzene	5.0 U	ug/L
1,2-Dibromo-3-Chloropropane	25 U	ug/L

Surrogate:	% RECOV	LIMITS
Dibromofluoromethane	92	73-138
D8-Toluene	96	77-118
Bromofluorobenzene	87	70-130
Date Analyzed	01/07/05 09:13	

U = Compound was analyzed for but not detected to the level shown.

LABORATORY CERTIFICATIONS

Laboratory Certification: NCDENR:591

All analyses reported with this project were analyzed by the facility indicated unless identified below.

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
EPA Method APPENDIX I,8260					
1,1-Dichloroethene	98/ 95/ 95	64-139	36-177	<1	30
Benzene	102/104/104	69-115	53-150	<1	23
Trichloroethene	97/ 96/ 93	74-118	64-124	3	25
Toluene	96/101/ 97	77-117	40-161	4	23
Chlorobenzene	96/101/ 95	76-118	44-128	6	22
EPA Method APPENDIX I,8260					
1,1-Dichloroethene	78/ 77/ 80	64-139	36-177	4	30
Benzene	101/100/103	69-115	53-150	3	23
Trichloroethene	96/ 92/ 91	74-118	64-124	1	25
Toluene	94/ 94/ 94	77-117	40-161	<1	23
Chlorobenzene	94/ 98/ 96	76-118	44-128	2	22
TOTAL METALS					
Antimony, 6010	103/104/104	82-119	38-138	<1	30
Arsenic, 6010	102/106/107	82-117	64-126	<1	12
Barium, 6010	100/ 97/ 97	72-125	74-119	<1	11
Beryllium, 6010	101/107/108	75-121	70-131	<1	21
Cadmium, 6010	102/109/110	72-120	68-121	<1	12
Chromium, 6010	98/102/103	78-119	73-120	<1	17
Cobalt, 6010	98/103/104	76-117	76-120	<1	17
Copper, 6010	100/ 98/ 98	80-117	75-123	<1	16
Lead, 6010	100/105/106	72-121	68-126	<1	19
Nickel, 6010	101/106/107	78-116	64-126	<1	12
Selenium, 6010	106/108/108	82-127	65-129	<1	10

< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
Silver, 6010	95/ 95/ 96	80-128	69-121	1	12
Thallium, 6010	100/103/103	79-118	67-135	<1	13
Vanadium, 6010	99/101/102	78-117	71-130	<1	16
Zinc, 6010	99/111/112	80-120	63-131	<1	24

< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference