Groundwater Sampling Report and Statistical Analysis

Prepared for

Greene County Closed MSWLF and Active C&D Landfill
Walstonburg, North Carolina

March, 2007

Permit Number: 40-02
MESCO Project Number: G07010.0

Completed on June 14, 2007

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.

June 14, 2007

Ms. Jaclynne Drummond
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 Sampling Report and Statistical Analysis
Greene County Closed unlined MSWLF and Active C&D Landfill
Permit No. 40-02
MESCO Project No. G07010.0

Dear Ms. Drummond:

Municipal Engineering Company, P.A. (MESCO), has completed the sampling report and statistical analysis for the Greene County Closed unlined MSWLF and active C&D Landfill for the March 19, 2007 sampling event. Environment I of Greenville NC completed the field sampling and laboratory analyses as part of the routine semi-annual detection monitoring program. All of the C&D landfill monitoring wells were analyzed for the newly promulgated parameter list as outlined in 15A NCAC 13B.0544 (D) for the first time. The new parameter list includes the Appendix 1 list of VOCs and metals, mercury, specific conductance, pH, temperature, alkalinity, total dissolved solids, chloride, manganese, sulfate, and iron. The surface water monitoring locations Upstream and Downstream were analyzed for only the Appendix I list of metals and VOCs. Environment 1 reported all results utilizing the Solid Waste Section reporting limits (SWSL). Due to statistically significant VOC concentrations found within MW-4 MESCO conducted a confirmation resampling event for the complete Appendix II list of parameters for MW-4 and background well MW-1R on May 24, 2007. Environmental Conservation Laboratories Inc. (ENCO) of Cary NC completed the laboratory analysis of the confirmation samples reporting the results to the method detection limits (MDL) with reference to the SWSL. The laboratory results for both events and statistical analysis for the original March 19, 2007 event are included herein.

All detected constituents were compared with North Carolina Groundwater Standards for regulatory exceedance. The results are shown in the enclosed tables titled "Detection Scan". There were only a few constituents detected during this sampling event. No Appendix I metals were found within the downgradient wells in concentrations above the background well MW-1 therefore interwell analysis was not completed. A water sample procured from downgradient well MW-4 was found to contain VOC(s) for the fifth consecutive event. Aromatics and purgeable halocarbons were among the 4 VOCs detected above the SWSL. The following table summarizes the VOCs that exceeded the NCGW2L Standard during the March 19, 2007 event.

Table1. Exceedance Summary (Metals)

Well	Benzene	1,4-DCB	VC
MW-4	x	x	x

x=Detected in exceedance of the NCGW2L Standard

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

MESCO also completed the statistical analysis as required by the Solid Waste Section. The purpose of these analyses is to determine, in comparison to background levels, statistical significance of constituents detected within the downgradient wells during the March 2007 sampling event.

Statistical Analysis Methodology

Metals

An inter-well statistical analysis was not conducted upon metals during this sampling event since none of the Appendix I list of parameters were found in concentrations above the background. The C&D parameters iron and manganese were found in elevated concentrations but since C&D landfills are not required to complete statistical analysis and there is no historical data for these parameters they were omitted from this analysis.

VOCs

All historical VOC detections in the background well MW-1R was pooled in order to determine the total number of detections, from which the expected number of detections in a single down gradient monitoring point (y^*) was derived by utilizing the Poisson prediction interval. The parameter $y^*$is defined by the following equation:

$$y^* = cy + \frac{t^2 c}{2} + tc\sqrt{y\left(1+\frac{1}{c}\right)+\frac{t^2}{4}}$$

where

$c = 1/n$ (n =number of background samples)
t = one-sided value of students t -Statistic at 95% confidence [a]
y = number of events observed in n previous samples
y^* = expected number of events in a single future sample

[a] Gibbons, R.D., 1994, Statistical methods for groundwater monitoring: John Wiley & Sons, Inc., p.12.

For each monitoring location showing any VOC detections, the number of detected VOCs was counted with each detection being considered a “hit”. The number was then compared with the expected number of detections derived from the background VOC data. The value of Student’s t -Statistic was derived from tabulated values included in Gibbons (1994).

Results

Historical data compiled for monitoring well MW-1R was used as the baseline. Data distribution and potential outliers were reviewed using time series and box and whiskers plots (enclosed charts).

Based upon the complete lack of historical VOC detections within the background well every well that contained a single VOC detection is considered to be statistically significant according to the Poisson Prediction Interval at a 95% confidence level. Downgradient well MW-4 continues to be the only well sitewide to contain a VOC detection and this is the premier event that the laboratory has reported concentrations at the lower SWSL values. Therefore the presence of all of the VOCs with the exception of chloroethane is a product of the reduction in quantifiable concentrations and should not be misconstrued as a recent release. The Appendix II supplemental event conducted approximately 2 months later also yielded 4 VOCs in quantifiable concentrations. The analytical results between the 2 separate events utilizing different laboratories were comparable with the exception of benzene being absent but toluene being present in the latest event. The only parameters detected during the confirmation event are found within the Appendix I list of parameters with no SVOC's pesticides, herbicides, PCB's, or mercury detected even below the SWSL.

Conclusion

Downgradient well MW-4 has been found to contain statistically significant VOCs at a 95% confidence level. Given the observed low concentrations, the inferred direction of flow, and very slow calculated flow rates it is unlikely that the VOCs would be found in concentrations above the Standard at the compliance boundary. The impacted aquifer monitored by MW-4 is expected to be further investigated and the findings will be included in the Assessment of Corrective Measures (ACM) report to be submitted to the Section prior to September 2007.

MESCO completed the enclosed potentiometric map with groundwater elevations on the day of sampling, flow rates and direction. The site is scheduled to be sampled again for the Appendix I list including the C&D parameters in September 2007.

Please contact me either by phone at (919) 772-5393, or by email at jpfohl@mesco.com should you have any questions or concerns regarding this report.

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

Jonathan Pfohl
Environmental Specialist

Enclosures
cc: Mr. David Jones
Greene County

Detection Scan All Detections above SWSL and NCGW2L
Greene County Closed MSWLF and C&D Landfill

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	Exceedance
MW-1R	Manganese	03/19/2007	37	ug/l	10	10	50	
MW-1R	Iron	03/19/2007	80	ug/l	50	50	300	
MW-1R	Barium	03/19/2007	152	ug/l	100	100	2000	
MW-1R	Sulfate	03/19/2007	8.2	ug/l				
MW-1R	Chloride	03/19/2007	130	ug/l				
MW-1R	TDS	03/19/2007	268	ug/l				
MW-1R	Zinc	05/24/2007	23	ug/L	1	10	1050	
MW-1R	Barium	05/24/2007	172	ug/L	0.2	100	2000	
MW-4	**Manganese**	**03/19/2007**	**105**	**ug/l**	**10**	**10**	**50**	**55**
MW-4	**Iron**	**03/19/2007**	**29050**	**ug/l**	**50**	**50**	**300**	**28750**
MW-4	**1,4-Dichlorobenzene**	**03/19/2007**	**3.4**	**ug/l**	**3**	**3**	**1.4**	**2**
MW-4	**Benzene**	**03/19/2007**	**3.9**	**ug/l**	**3**	**3**	**1**	**2.9**
MW-4	Chloroethane	03/19/2007	12.5	ug/l	5	5		
MW-4	**Vinyl Chloride**	**03/19/2007**	**5.5**	**ug/l**	**5**	**5**	**0.015**	**5.485**
MW-4	Sulfate	03/19/2007	14	ug/l				
MW-4	TDS	03/19/2007	103	ug/l				
MW-4	Chloride	03/19/2007	9	ug/l				
MW-4	Total Alkalinity	03/19/2007	66	ug/l	1	1		
MW-4	Toluene	05/24/2007	1.1	ug/L	0.15	1	1000	
MW-4	**1,4-Dichlorobenzene**	**05/24/2007**	**2.4**	**ug/L**	0.15	1	**1.4**	**1**
MW-4	**Vinyl chloride**	**05/24/2007**	**2.6**	**ug/L**	0.15	1	**0.015**	**2.585**
MW-4	cis-1,2-Dichloroethene	05/24/2007	10	ug/L	0.14	5	70	
MW-5	TDS	03/19/2007	76	ug/l				
MW-5	Chloride	03/19/2007	15	ug/l				
MW-5	**Iron**	**03/19/2007**	**29725**	**ug/l**	**50**	**50**	**300**	**29425**
MW-5	Total Alkalinity	03/19/2007	45	ug/l	1	1		
MW-5	Sulfate	03/19/2007	5.5	ug/l				
MW-5	Manganese	03/19/2007	18	ug/l	10	10	50	
MW-6	Total Alkalinity	03/19/2007	4	ug/l	1	1		
MW-6	Sulfate	03/19/2007	12	ug/l				
MW-6	Manganese	03/19/2007	10	ug/l	10	10	50	
MW-6	TDS	03/19/2007	82	ug/l				
MW-6	**Iron**	**03/19/2007**	**1221**	**ug/l**	**50**	**50**	**300**	**921**
MW-6	Chloride	03/19/2007	7	ug/l				

[1] Table only contains detected constituents.
[2] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)
[3] NCGW2L = North Carolina Ground Water 2L Standard
[4] MDL = Method Detection Limit
Indented well is from separately conducted confirmation event

Detection Scan All Detections Reported by Laboratory
Greene County Closed MSWLF and C&D Landfill

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	Exceedance
MW-1R	Manganese	03/19/2007	37	ug/l	10	10	50	
MW-1R	Iron	03/19/2007	80	ug/l	50	50	300	
MW-1R	Barium	03/19/2007	152	ug/l	100	100	2000	
MW-1R	Sulfate	03/19/2007	8.2	ug/l				
MW-1R	Chloride	03/19/2007	130	ug/l				
MW-1R	TDS	03/19/2007	268	ug/l				
MW-1R	Carbon disulfide	05/24/2007	1.8	ug/L	0.12	100		
MW-1R	Barium	05/24/2007	172	ug/L	0.20	100	2000	
MW-1R	Lead	05/24/2007	3.1	ug/L	2.0	10	15	
MW-1R	Nickel	05/24/2007	2	ug/L	2.0	50	100	
MW-1R	Thallium	05/24/2007	0.193	ug/L	0.044	5.5		
MW-1R	Vanadium	05/24/2007	3	ug/L	1.0	25		
MW-1R	Zinc	05/24/2007	23	ug/L	1.0	10	1050	
MW-4	**Manganese**	**03/19/2007**	**105**	**ug/l**	**10**	**10**	**50**	**55**
MW-4	**Iron**	**03/19/2007**	**29050**	**ug/l**	**50**	**50**	**300**	**28750**
MW-4	**1,4-Dichlorobenzene**	**03/19/2007**	**3.4**	**ug/l**	**3**	**3**	**1.4**	**2**
MW-4	**Benzene**	**03/19/2007**	**3.9**	**ug/l**	**3**	**3**	**1**	**2.9**
MW-4	Chloroethane	03/19/2007	12.5	ug/l	5	5		
MW-4	**Vinyl Chloride**	**03/19/2007**	**5.5**	**ug/l**	**5**	**5**	**0.015**	**5.485**
MW-4	Sulfate	03/19/2007	14	ug/l				
MW-4	TDS	03/19/2007	103	ug/l				
MW-4	Chloride	03/19/2007	9	ug/l				
MW-4	Total Alkalinity	03/19/2007	66	ug/l	1	1		
MW-4	1,1-Dichloroethane	05/24/2007	2	ug/L	0.090	70	70	
MW-4	**1,4-Dichlorobenzene**	**05/24/2007**	**2.4**	**ug/L**	**0.15**	1	**1.4**	**1**
MW-4	Chloroethane	05/24/2007	9.5	ug/L	0.40	10		
MW-4	cis-1,2-Dichloroethene	05/24/2007	10	ug/L	0.14	5	70	
MW-4	Ethylbenzene	05/24/2007	0.43	ug/L	0.17	1	550	
MW-4	Toluene	05/24/2007	1.1	ug/L	0.15	1	1000	
MW-4	**Vinyl chloride**	**05/24/2007**	**2.6**	**ug/L**	**0.15**	1	**0.015**	**2.585**
MW-4	Barium	05/24/2007	52.2	ug/L	0.20	100	2000	
MW-4	Thallium	05/24/2007	0.057	ug/L	0.044	5.5		
MW-4	Zinc	05/24/2007	3.6	ug/L	1.0	10	1050	
MW-4	Xylenes	05/24/2007	0.3	ug/L	0.21	4	530	
MW-5	TDS	03/19/2007	76	ug/l				
MW-5	Chloride	03/19/2007	15	ug/l				
MW-5	**Iron**	**03/19/2007**	**29725**	**ug/l**	**50**	**50**	**300**	**29425**
MW-5	Total Alkalinity	03/19/2007	45	ug/l	1	1		
MW-5	Sulfate	03/19/2007	5.5	ug/l				
MW-5	Manganese	03/19/2007	18	ug/l	10	10	50	
MW-6	Total Alkalinity	03/19/2007	4	ug/l	1	1		
MW-6	Sulfate	03/19/2007	12	ug/l				
MW-6	Manganese	03/19/2007	10	ug/l	10	10	50	
MW-6	TDS	03/19/2007	82	ug/l				
MW-6	**Iron**	**03/19/2007**	**1221**	**ug/l**	**50**	**50**	**300**	**921**
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[1] Table only contains detected constituents.
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[4] MDL = Method Detection Limit
Indented well is from separately conducted confirmation event

Hydrologic Properties at Monitoring Well Locations
Greene County Closed MSWLF and C&D 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-1R	1.20E-04	37%	0.015	5.1	N61E	5	116.78
MW-4	1.10E-04	40%	0.047	13.2	S70E	13.33	104.56
MW-5	1.40E-04	37%	0.008	3.1	N13E	14	101.76
MW-6	1.90E-04	43%	0.104	47.4	N12E	4.67	112.74

NOTE: Data for hydraulic conductivities obtained from GAI Consultants' WaterQuality Modifications (October, 1994)

Hydrologic Gradient taken from the March 19, 2007 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

Statistical Analysis Results Summary

Inter-Well Analysis Summary
Greene County Closed Sanitary Landfill
Background Well: (MW-1R)

NO Appendix I Metals Detected within any downgradient well

Summary of Pooled Appendix I VOCs in Background Well (MW-1R)
Greene County Closed Sanitary Landfill

Constituent	Samples	NDs	% NDs
1,1,1,2-Tetrachloroethane	27	27	100.00
1,1,1-Trichloroethane	27	27	100.00
1,1,2,2-Tetrachloroethane	27	27	100.00
1,1,2-Trichloroethane	27	27	100.00
1,1-Dichloroethane	27	27	100.00
1,1-Dichloroethene	27	27	100.00
1,2,3-Trichloropropane	27	27	100.00
1,2-Dibromo-3-chloropropane	27	27	100.00
1,2-Dibromoethane	27	27	100.00
1,2-Dichlorobenzene	27	27	100.00
1,2-Dichloroethane	27	27	100.00
1,2-Dichloropropane	27	27	100.00
1,4-Dichlorobenzene	27	27	100.00
2-Butanone	27	27	100.00
2-Hexanone	27	27	100.00
4-Methyl-2-Pentanone	27	27	100.00
Acetone	27	27	100.00
Acrylonitrile	27	27	100.00
Benzene	27	27	100.00
Bromochloromethane	27	27	100.00
Bromodichloromethane	27	27	100.00
Bromoform	27	27	100.00
Bromomethane	27	27	100.00
Carbon disulfide	27	27	100.00
Carbon tetrachloride	27	27	100.00
Chlorobenzene	27	27	100.00
Chloroethane	27	27	100.00
Chloroform	27	27	100.00
Chloromethane	27	27	100.00
cis-1,2-Dichloroethene	27	27	100.00
cis-1,3-Dichloropropene	27	27	100.00
Chlorodibromomethane	27	27	100.00
Dibromomethane	27	27	100.00
Ethylbenzene	27	27	100.00
Iodomethane	27	27	100.00
Dichloromethane	27	27	100.00
Styrene	27	27	100.00
Tetrachloroethylene	27	27	100.00
Toluene	27	27	100.00
trans-1,2-Dichloroethene	27	27	100.00
trans-1,3-Dichloropropene	27	27	100.00
trans-1,4-Dichloro-2-butene	27	27	100.00
Trichloroethylene	27	27	100.00
Trichlorofluoromethane	27	27	100.00
Vinyl acetate	27	27	100.00
Vinyl chloride	27	27	100.00
Xylene	27	27	100.00
Total	**1269**	**1269**	**100.00**

Poisson Prediction Interval Based upon Pooled Background Appendix I VOCs
Greene County Closed Sanitary Landfill

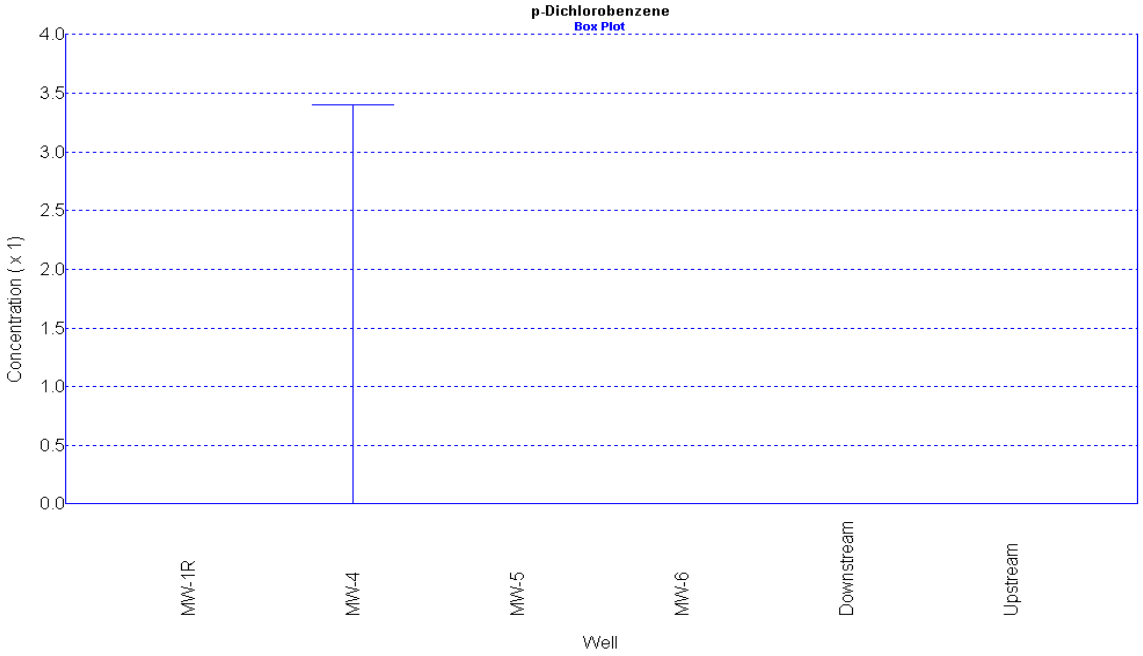
All detected VOCs >SWSL (Background Well: MW-1)

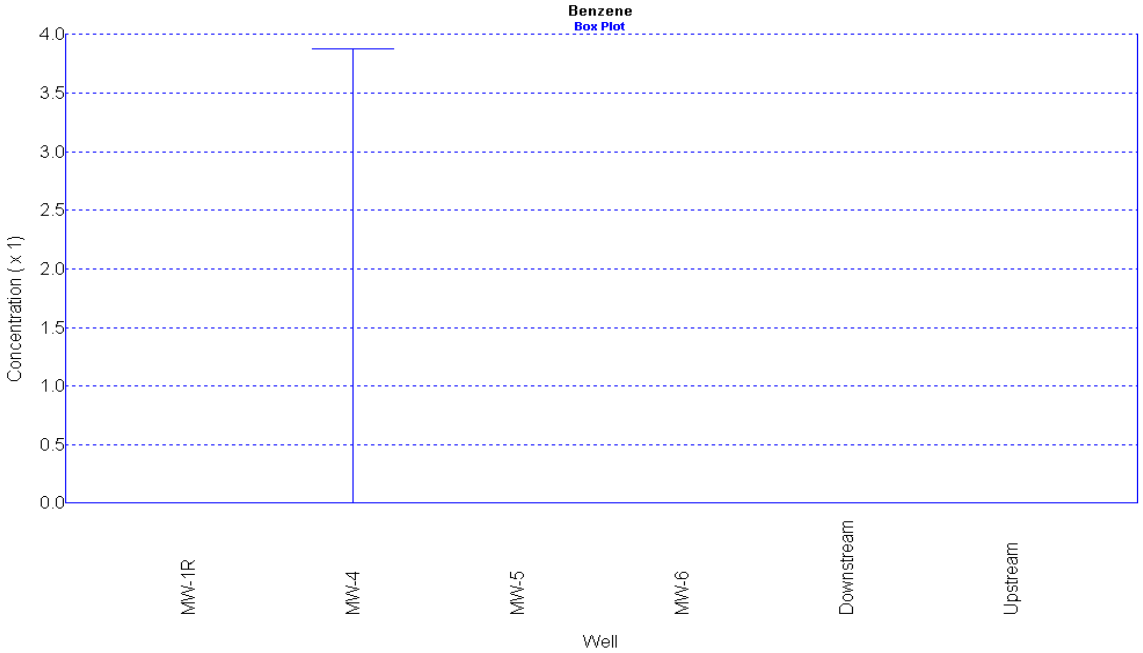
Constituent	MW-4 (3/19/07)	MW-4 (5/24/07)
1,4-Dichlorobenzene	**x**	**x**
cis-1,2-Dichloroethene		x
Toluene		x
Benzene	**x**	
Chloroethane	x	
Vinyl Chloride	**x**	**x**
Detection(s) per Scan	4.00	4.00

Total number of sampling events [n] =	27
Total number of detections in background wells [y] =	0
Number of comparisons (downgradient wells) [k] =	3
One-sided value of Student's t-statistic (95% confidence) [t] =	1.49
Expected number of detections in a single future sample [y*] =	**0.0818**

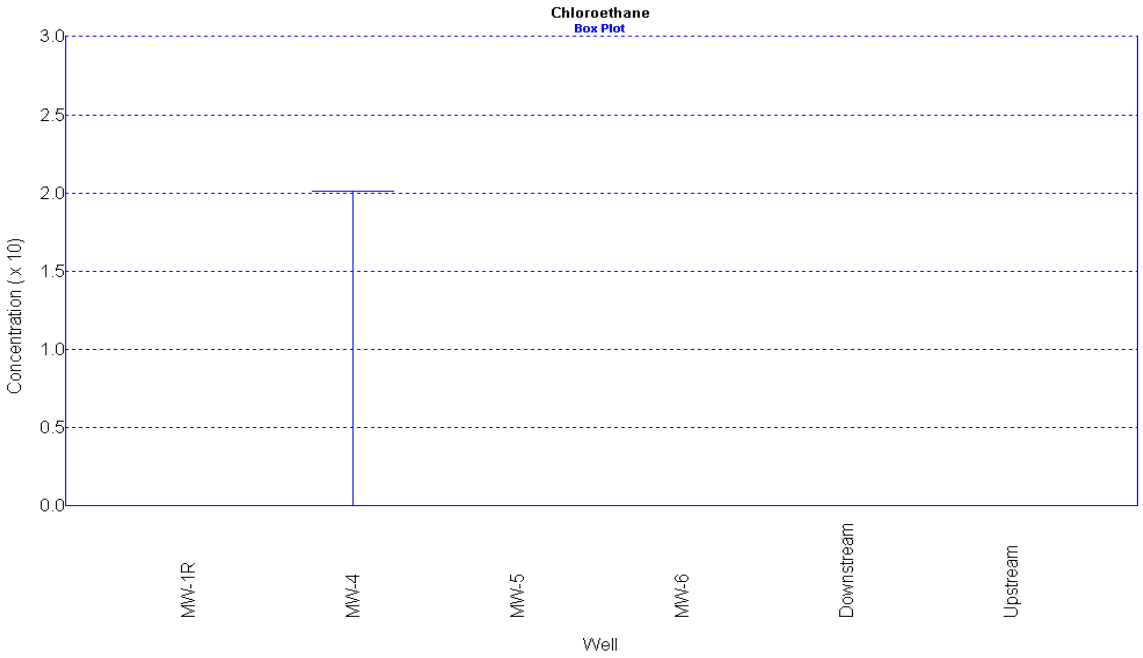
Statistically Significant VOC detections within MW-4 at a 95% confidence level

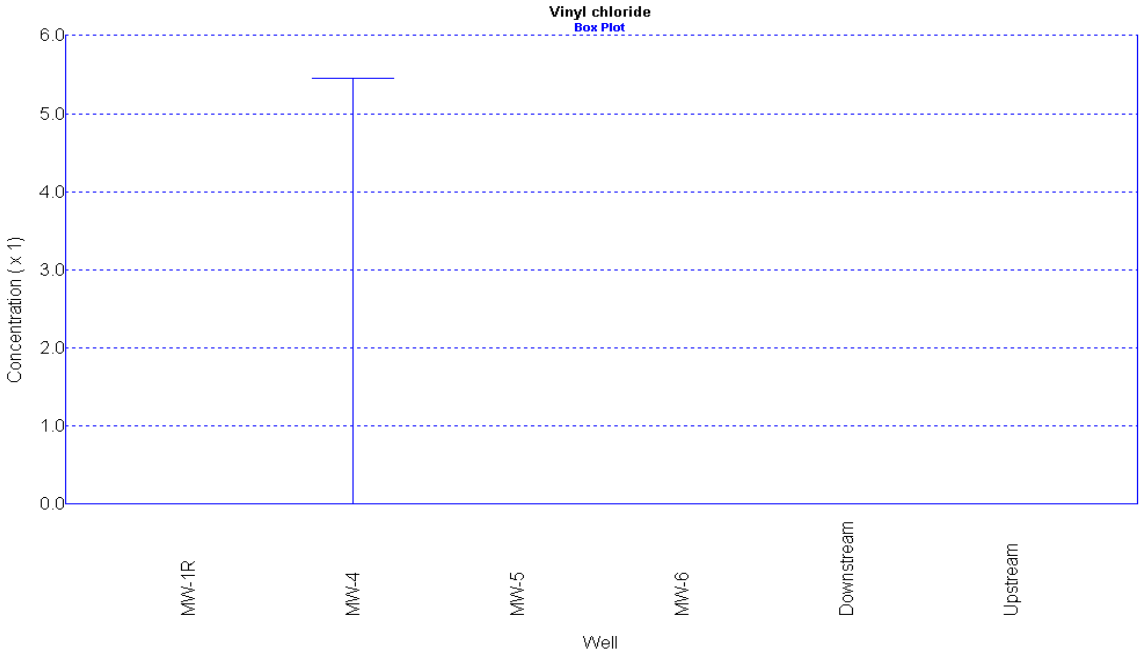
Box Plots for Select Constituents
Greene County Closed Sanitary Landfill



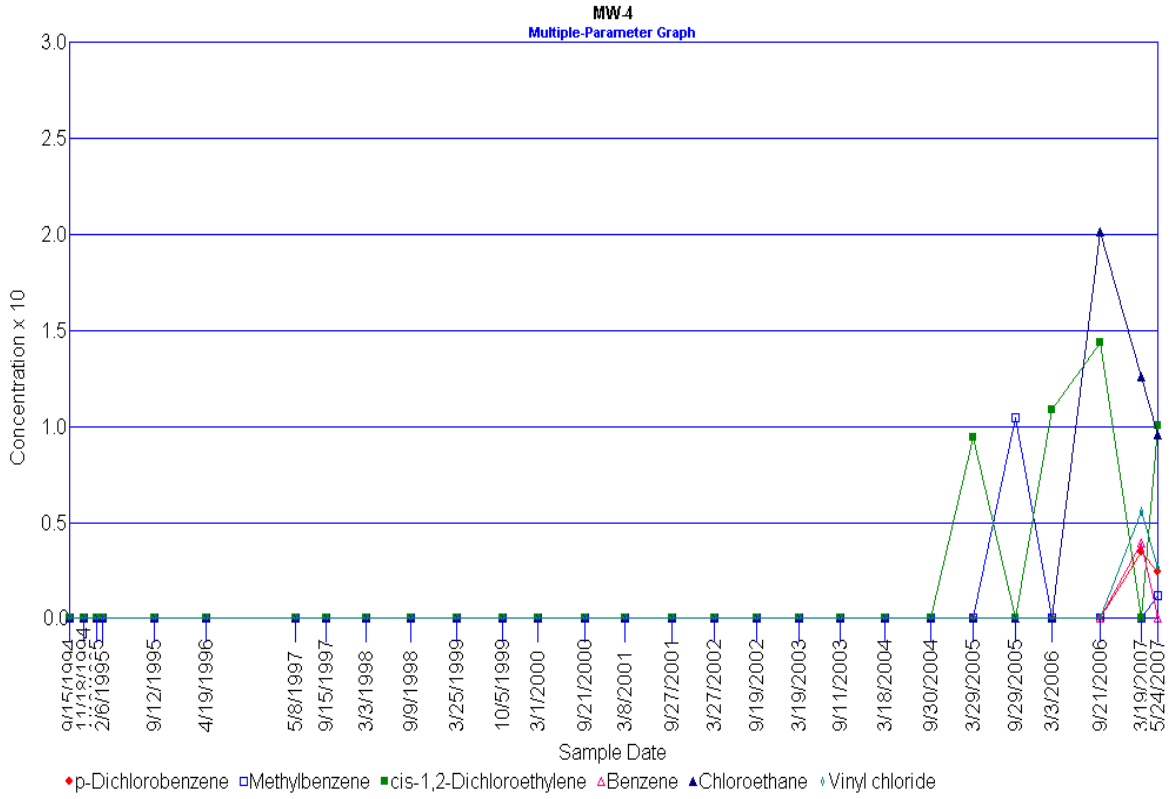


Box Plots for Select Constituents
Greene County Closed Sanitary Landfill





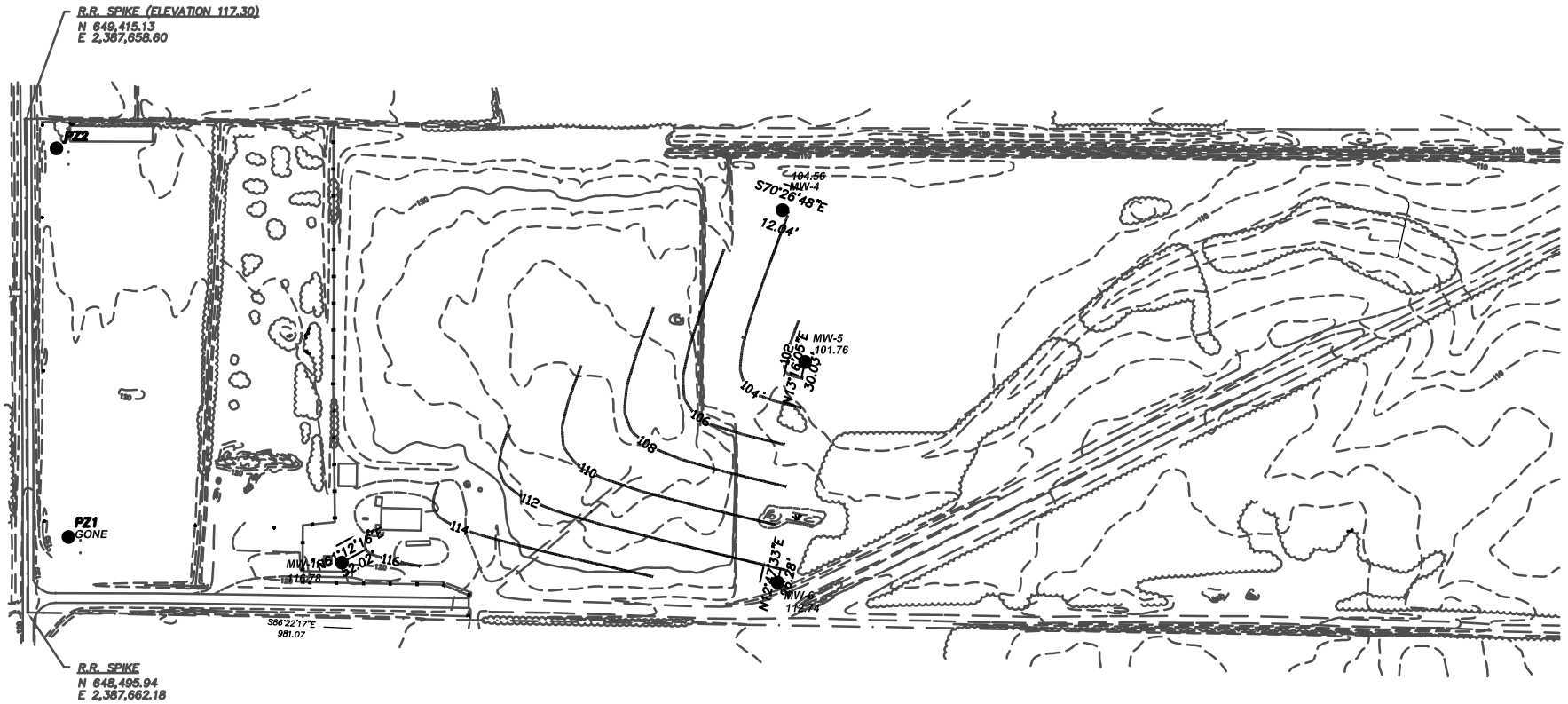
Time Series Plots for Select Constituents
Greene County Closed Sanitary Landfill



LEGEND

- EXISTING DIVERSION DITHC
- 2670 EXISTING CONTOURS
- BOUNDRY
- MW1 MONITORING WELL
- PZ1 PIEZOMETER
- EQUIPOTENTIAL CONTOURS

MW	EASTING	NORTHING	TOP OF PIPE ELEVATION	GROUND ELEVATION
MW1	2388246.5017	648587.3426	TOP OF PIPE 121.78	GROUND 119.79
MW4	2389067.3113	649243.8360	TOP OF PIPE 117.89	GROUND 115.14
MW5	2389101.3891	648960.8934	TOP OF PIPE 115.76	GROUND 113.16
MW6	2389058.2699	648550.1348	TOP OF PIPE 117.41	GROUND 114.54
PZ1	2387737.0934	648635.0002	TOP OF PIPE 122.72	GROUND 119.86
PZ2	2387714.7325	649358.9129	TOP OF PIPE 119.59	GROUND 116.58



Greene County Closed Landfill March 19, 2007

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-1R	121.78	5	116.78
MW-4	117.89	13.33	104.56
MW-5	115.76	14	101.76
MW-6	117.41	4.67	112.74

Municipal Services Engineering Company, P.A.

GREENE COUNTY
CLOSED MSWLF
& ACTIVE C&D LANDFILL
NORTH CAROLINA

SINGLE DAY POTENTIOMETRIC MAP

DATE	BY	REV.	DESCRIPTION

SCALE: 1"=100'
DATE: 6/21/2001
DRWN. BY: G. SEYMOUR
CHKD. BY: K. YOSHIDA
PROJECT NUMBER
609001.0
DRAWING NO.
SHEET NO.

Laboratory Results

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6005

GREENE CO. LANDFILL
DAVID JONES
P.O. BOX 543
SNOW HILL ,NC 28580

DATE COLLECTED: 03/19/07
DATE REPORTED : 04/10/07

REVIEWED BY:

PARAMETERS	Upstream	Downstream	Well #4	Well #5	Well #6	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.4	6.0	5.4	5.5	5.4	03/19/07	RJH	SM4500HB
Total Alkalinity, mg/l			66	45	4	03/20/07	TRB	SM2320B
Chloride, mg/l			9	15	7	03/21/07	MDM	SM4500-CLB
Total Dissolved Residue, mg/l			103	76	82	03/20/07	MRJ	SM2540C
Sulfate, mg/l			14.0	5.5	12.0	03/30/07	TRB	EPA375.4
Antimony, ug/l	<6.0	<6.0	<6.0	<6.0	<6.0	03/21/07	CMF	EPA200.8
Arsenic, ug/l	< 10	< 10	< 10	< 10	< 10	03/21/07	CMF	EPA200.8
Barium, ug/l	< 100	< 100	< 100	< 100	< 100	03/21/07	CMF	EPA200.8
Beryllium, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	03/21/07	CMF	EPA200.8
Cadmium, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	03/21/07	CMF	EPA200.8
Cobalt, ug/l	< 10	< 10	< 10	< 10	< 10	03/21/07	CMF	EPA200.8
Copper, ug/l	< 10	< 10	< 10	< 10	< 10	03/21/07	CMF	EPA200.8
Total Chromium, ug/l	< 10	< 10	< 10	< 10	< 10	03/21/07	CMF	EPA200.8
Iron, ug/l			29050	29725	1221	04/02/07	ADD	EPA236.1
Manganese, ug/l			105	18	10	03/21/07	CMF	EPA200.8
Lead, ug/l	< 10	< 10	< 10	< 10	< 10	03/21/07	CMF	EPA200.8
Mercury, ug/l			<0.2	<0.2	<0.2	03/21/07	CMF	EPA200.8
Nickel, ug/l	< 50	< 50	< 50	< 50	< 50	03/21/07	CMF	EPA200.8
Selenium, ug/l	< 10	< 10	< 10	< 10	< 10	03/21/07	CMF	EPA200.8
Silver, ug/l	< 10	< 10	< 10	< 10	< 10	03/21/07	CMF	EPA200.8
Thallium, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	03/21/07	CMF	EPA200.8
Vanadium, ug/l	< 25	< 25	< 25	< 25	< 25	03/21/07	CMF	EPA200.8
Zinc, ug/l	< 10	< 10	< 10	< 10	< 10	03/21/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	255	106	194	150	49	03/19/07	RJH	SM2510B
Temperature, °C	13	9	16	16	13	03/19/07	RJH	SM2550B
Static Water Level, feet			13.33	14.00	4.67	03/19/07	RJH	
Well Depth, feet			26.16	28.34	26.87	03/19/07	RJH	

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6005

GREENE CO. LANDFILL
DAVID JONES
P.O. BOX 543
SNOW HILL ,NC 28580

DATE COLLECTED: 03/19/07
DATE REPORTED : 04/10/07

REVIEWED BY:

PARAMETERS	Well #1R	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	4.6			03/19/07	RJH	SM4500HB
Total Alkalinity, mg/l	<1			03/20/07	TRB	SM2320B
Chloride, mg/l	130			03/21/07	MDM	SM4500-CLB
Total Dissolved Residue, mg/l	268			03/20/07	MRJ	SM2540C
Sulfate, mg/l	8.2			03/30/07	TRB	EPA375.4
Antimony, ug/l	<6.0	<6.0		03/21/07	CMF	EPA200.8
Arsenic, ug/l	< 10	< 10		03/21/07	CMF	EPA200.8
Barium, ug/l	152	< 100		03/21/07	CMF	EPA200.8
Beryllium, ug/l	<1.0	<1.0		03/21/07	CMF	EPA200.8
Cadmium, ug/l	<1.0	<1.0		03/21/07	CMF	EPA200.8
Cobalt, ug/l	< 10	< 10		03/21/07	CMF	EPA200.8
Copper, ug/l	< 10	< 10		03/21/07	CMF	EPA200.8
Total Chromium, ug/l	< 10	< 10		03/21/07	CMF	EPA200.8
Iron, ug/l	80	< 50		04/02/07	ADD	EPA236.1
Manganese, ug/l	37	< 10		03/21/07	CMF	EPA200.8
Lead, ug/l	< 10	< 10		03/21/07	CMF	EPA200.8
Mercury, ug/l	<0.2	<0.2		03/21/07	CMF	EPA200.8
Nickel, ug/l	< 50	< 50		03/21/07	CMF	EPA200.8
Selenium, ug/l	< 10	< 10		03/21/07	CMF	EPA200.8
Silver, ug/l	< 10	< 10		03/21/07	CMF	EPA200.8
Thallium, ug/l	<5.0	<5.0		03/21/07	CMF	EPA200.8
Vanadium, ug/l	< 25	< 25		03/21/07	CMF	EPA200.8
Zinc, ug/l	< 10	< 10		03/21/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	488			03/19/07	RJH	SM2510B
Temperature, °C	14			03/19/07	RJH	SM2550B
Static Water Level, feet	5.00			03/19/07	RJH	
Well Depth, feet	19.51			03/19/07	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10
P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085
PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: GREENE CO. LANDFILL
DAVID JONES
P.O. BOX 543
SNOW HILL, NC 28580

CLIENT ID: 6005

ANALYST: MAO
DATE COLLECTED: 03/19/07
DATE ANALYZED: 03/26/07
DATE REPORTED: 04/10/07

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Upstream	Downstream	Well #4	Well #5	Well #6
1. Chloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
2. Vinyl Chloride	<5.00	<5.00	5.50	<5.00	<5.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<5.00	<5.00	12.50	<5.00	<5.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<5.00	<5.00	<5.00	<5.00	<5.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<3.00	<3.00	<3.00	<3.00	<3.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<5.00	<5.00	<5.00	<5.00	<5.00
20. Benzene	<3.00	<3.00	3.90	<3.00	<3.00
21. 1,2-Dichloroethane	<3.00	<3.00	<3.00	<3.00	<3.00
22. Trichloroethene	<3.00	<3.00	<3.00	<3.00	<3.00
23. 1,2-Dichloropropane	<3.00	<3.00	<3.00	<3.00	<3.00
24. Bromodichloromethane	<3.00	<3.00	<3.00	<3.00	<3.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<3.00	<3.00	<3.00	<3.00	<3.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<3.00	<3.00	<3.00	<3.00	<3.00
33. 1,2-Dibromoethane	<3.00	<3.00	<3.00	<3.00	<3.00
34. Chlorobenzene	<3.00	<3.00	<3.00	<3.00	<3.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<4.00	<4.00	<4.00	<4.00	<4.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<3.00	<3.00	<3.00	<3.00	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<8.00	<8.00	<8.00	<8.00	<8.00
43. 1,4-Dichlorobenzene	<3.00	<3.00	3.40	<3.00	<3.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00	<13.00	<13.00	<13.00	<13.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: GREENE CO. LANDFILL
DAVID JONES
P.O. BOX 543
SNOW HILL, NC 28580

CLIENT ID: 6005

ANALYST: MAO
DATE COLLECTED: 03/19/07
DATE ANALYZED: 03/26/07
DATE REPORTED: 04/10/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Well #1R	Equipment Blank	Trip Blank
1. Chloromethane	<5.00	<5.00	<5.00
2. Vinyl Chloride	<5.00	<5.00	<5.00
3. Bromomethane	<10.00	<10.00	<10.00
4. Chloroethane	<5.00	<5.00	<5.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00
10. Methylene Chloride	<5.00	<5.00	<5.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00
16. Bromochloromethane	<3.00	<3.00	<3.00
17. Chloroform	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<5.00	<5.00	<5.00
20. Benzene	<3.00	<3.00	<3.00
21. 1,2-Dichloroethane	<3.00	<3.00	<3.00
22. Trichloroethene	<3.00	<3.00	<3.00
23. 1,2-Dichloropropane	<3.00	<3.00	<3.00
24. Bromodichloromethane	<3.00	<3.00	<3.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00
30. Tetrachloroethene	<3.00	<3.00	<3.00
31. 2-Hexanone	<50.00	<50.00	<50.00
32. Dibromochloromethane	<3.00	<3.00	<3.00
33. 1,2-Dibromoethane	<3.00	<3.00	<3.00
34. Chlorobenzene	<3.00	<3.00	<3.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00
37. Xylenes	<4.00	<4.00	<4.00
38. Dibromomethane	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00
40. Bromoform	<3.00	<3.00	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<8.00	<8.00	<8.00
43. 1,4-Dichlorobenzene	<3.00	<3.00	<3.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00	<13.00	<13.00
46. Acrylonitrile	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00

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

Friday, June 8, 2007

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Project Number: [none], Project Name/Desc: Greene County LDF
ENCO Workorder: C707044

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, May 25, 2007.

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

This data has been produced in accordance with NELAC standards (June, 2003). 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. 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

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 43.

CASE NARRATIVE

Date: June 8, 2007

Client: Municipal Engineering

Project #: Greene County

Lab ID: C707044

Overview

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

Quality Control Samples

The PCB Surrogate DBC exceeded the acceptable recovery limits for the LCS, MS and MSD due to interference from the PCB 1260 analyte spike.

Other Comments

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

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1R **Lab ID:** C707044-01

Sampled: 05/24/07 16:00 **Received:** 05/25/07 08:03

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 335.2	06/07/07		05/29/07 10:50	5/29/2007 22:10
EPA 376.1	05/31/07		05/31/07 13:32	5/31/2007 13:34
EPA 6010B	11/20/07		05/29/07 08:51	5/30/2007 10:44
EPA 6020	11/20/07		05/30/07 14:32	6/5/2007 15:16
EPA 7470A	06/21/07		05/30/07 09:17	5/31/2007 12:50
EPA 8081A	05/31/07	07/08/07	05/29/07 10:07	6/2/2007 22:27
EPA 8082	05/31/07	07/08/07	05/29/07 10:07	6/2/2007 22:27
EPA 8151A	05/31/07	07/05/07	05/26/07 12:53	5/31/2007 08:24
EPA 8260B	06/07/07		06/06/07 14:47	6/7/2007 11:06
EPA 8270C	05/31/07	07/09/07	05/30/07 07:54	6/2/2007 04:16

Client ID: MW-4 **Lab ID:** C707044-02

Sampled: 05/24/07 15:00 **Received:** 05/25/07 08:03

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 335.2	06/07/07		05/29/07 10:50	5/29/2007 22:10
EPA 376.1	05/31/07		05/31/07 13:32	5/31/2007 13:34
EPA 6010B	11/20/07		05/29/07 08:51	5/30/2007 10:51
EPA 6020	11/20/07		05/30/07 14:32	6/5/2007 15:18
EPA 7470A	06/21/07		05/30/07 09:17	5/31/2007 12:52
EPA 8081A	05/31/07	07/08/07	05/29/07 10:07	6/2/2007 22:51
EPA 8082	05/31/07	07/08/07	05/29/07 10:07	6/2/2007 22:51
EPA 8151A	05/31/07	07/05/07	05/26/07 12:53	5/31/2007 08:56
EPA 8260B	06/07/07		06/06/07 14:47	6/7/2007 11:32
EPA 8270C	05/31/07	07/09/07	05/30/07 07:54	6/2/2007 04:41

Client ID: Trip Blank **Lab ID:** C707044-03

Sampled: 05/24/07 00:00 **Received:** 05/25/07 08:03

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/07/07	06/06/07 14:47	6/7/2007 05:03

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-1R **Lab ID:** C707044-01

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	172		1	0.20	10.0	100	ug/L	EPA 6010B
Carbon disulfide	1.8	J	1	0.12	5.0	100	ug/L	EPA 8260B
Lead	3.1	J	1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	2.0	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.193	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	3.0	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	23.0		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW-4 **Lab ID:** C707044-02

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	2.0	J	1	0.090	1.0	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	2.4		1	0.15	1.0	1	ug/L	EPA 8260B
Barium	52.2	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chloroethane	9.5	J	1	0.40	1.0	10	ug/L	EPA 8260B
cis-1,2-Dichloroethene	10		1	0.14	1.0	5	ug/L	EPA 8260B
Ethylbenzene	0.43	J	1	0.17	1.0	1	ug/L	EPA 8260B
o-Xylene	0.30	J	1	0.14	1.0	NE	ug/L	EPA 8260B
Thallium	0.057	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Toluene	1.1		1	0.15	1.0	1	ug/L	EPA 8260B
Vinyl chloride	2.6		1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	3.6	J	1	1.0	10.0	10	ug/L	EPA 6010B

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/07/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7F06020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,1-Dichloropropene	563-58-6	0.13 U	0.13	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.14 U	0.14	1.0	10	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,3-Dichlorobenzene	541-73-1	0.15 U	0.15	1.0	5	ug/L
1,3-Dichloropropane	142-28-9	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2,2-Dichloropropane	594-20-7	0.16 U	0.16	1.0	15	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
3-Chloropropene	107-05-1	0.20 U	0.20	1.0	10	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acetonitrile	75-05-8	1.8 U	1.8	10	55	ug/L
Acrolein	107-02-8	2.1 U	2.1	10	52.5	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	**1.8** J	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/07/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7F06020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
Chloroprene	126-99-8	0.19 U	0.19	1.0	20	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Dichlorodifluoromethane	75-71-8	0.14 U	0.14	1.0	5	ug/L
Ethyl Methacrylate	97-63-2	0.17 U	0.17	2.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
Isobutyl alcohol	78-83-1	8.4 U	8.4	20	100	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methacrylonitrile	126-98-7	0.69 U	0.69	10	100	ug/L
Methyl Methacrylate	80-62-6	0.38 U	0.38	1.0	30	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L
Naphthalene	91-20-3	0.25 U	0.25	1.0	10	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Propionitrile	107-12-0	1.6 U	1.6	10	150	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	46	50.0	91 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	43	50.0	86 %	85-120

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/02/07 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	CA00745		
QC Batch:	7E30005		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,2,4,5-Tetrachlorobenzene	95-94-3	1.7 U	1.7	10	10	ug/L
1,3,5-Trinitrobenzene	99-35-4	1.4 U	1.4	10	10	ug/L
1,3-Dinitrobenzene	99-65-0	1.0 U	1.0	10	20	ug/L
1,4-Naphthoquinone	130-15-4	3.2 U	3.2	10	10	ug/L
1,4-Phenylenediamine	106-50-3	4.0 U	4.0	10	10	ug/L
1-Naphthylamine	134-32-7	2.5 U	2.5	10	10	ug/L
2,3,4,6-Tetrachlorophenol	58-90-2	1.0 U	1.0	10	10	ug/L
2,4,5-Trichlorophenol	95-95-4	1.1 U	1.1	10	10	ug/L
2,4,6-Trichlorophenol	88-06-2	1.4 U	1.4	10	10	ug/L
2,4-Dichlorophenol	120-83-2	1.6 U	1.6	10	10	ug/L
2,4-Dimethylphenol	105-67-9	3.0 U	3.0	10	10	ug/L
2,4-Dinitrophenol	51-28-5	1.7 U	1.7	10	50	ug/L
2,4-Dinitrotoluene	121-14-2	1.1 U	1.1	10	10	ug/L
2,6-Dichlorophenol	87-65-0	1.7 U	1.7	10	10	ug/L
2,6-Dinitrotoluene	606-20-2	1.0 U	1.0	10	10	ug/L
2-Acetylaminofluorene	53-96-3	1.3 U	1.3	10	20	ug/L
2-Chloronaphthalene	91-58-7	1.6 U	1.6	10	10	ug/L
2-Chlorophenol	95-57-8	2.0 U	2.0	10	10	ug/L
2-Methyl-4,6-dinitrophenol	534-52-1	1.2 U	1.2	10	50	ug/L
2-Methylnaphthalene	91-57-6	2.0 U	2.0	10	10	ug/L
2-Methylphenol	95-48-7	2.0 U	2.0	10	10	ug/L
2-Naphthylamine	91-59-8	4.0 U	4.0	10	10	ug/L
2-Nitroaniline	88-74-4	1.2 U	1.2	10	50	ug/L
2-Nitrophenol	88-75-5	1.8 U	1.8	10	10	ug/L
3 & 4-Methylphenol		1.9 U	1.9	20	10	ug/L
3,3'-Dichlorobenzidine	91-94-1	1.8 U	1.8	10	20	ug/L
3,3'-Dimethylbenzidine	119-93-7	3.0 U	3.0	10	10	ug/L
3-Methylcholanthrene	56-49-5	1.3 U	1.3	10	10	ug/L
3-Nitroaniline	99-09-2	0.70 U	0.70	10	50	ug/L
4-Aminobiphenyl	92-67-1	3.1 U	3.1	10	15	ug/L
4-Bromophenyl-phenylether	101-55-3	1.1 U	1.1	10	10	ug/L
4-Chloro-3-methylphenol	59-50-7	1.4 U	1.4	10	20	ug/L
4-Chloroaniline	106-47-8	1.6 U	1.6	10	20	ug/L
4-Chlorophenyl-phenylether	7005-72-3	1.2 U	1.2	10	10	ug/L
4-Nitroaniline	100-01-6	0.70 U	0.70	10	20	ug/L
4-Nitrophenol	100-02-7	1.2 U	1.2	10	50	ug/L
5-Nitro-o-toluidine	99-55-8	0.60 U	0.60	10	10	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/02/07 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	CA00745		
QC Batch:	7E30005		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
7,12-Dimethylbenz(a)anthracene	57-97-6	1.1 U	1.1	10	10	ug/L
Acenaphthene	83-32-9	1.4 U	1.4	10	10	ug/L
Acenaphthylene	208-96-8	1.4 U	1.4	10	10	ug/L
Acetophenone	98-86-2	2.0 U	2.0	10	10	ug/L
Anthracene	120-12-7	0.90 U	0.90	10	10	ug/L
Benzo(a)anthracene	56-55-3	1.0 U	1.0	10	10	ug/L
Benzo(a)pyrene	50-32-8	1.1 U	1.1	10	10	ug/L
Benzo(b)fluoranthene	205-99-2	0.70 U	0.70	10	10	ug/L
Benzo(g,h,i)perylene	191-24-2	1.3 U	1.3	10	10	ug/L
Benzo(k)fluoranthene	207-08-9	1.8 U	1.8	10	10	ug/L
Benzyl alcohol	100-51-6	2.0 U	2.0	10	20	ug/L
Bis(2-chloroethoxy)methane	111-91-1	2.0 U	2.0	10	10	ug/L
Bis(2-chloroethyl)ether	111-44-4	2.1 U	2.1	10	10	ug/L
Bis(2-chloroisopropyl)ether	108-60-1	2.2 U	2.2	10	10	ug/L
Bis(2-ethylhexyl)phthalate	117-81-7	1.0 U	1.0	10	15	ug/L
Butylbenzylphthalate	85-68-7	1.0 U	1.0	10	10	ug/L
Chlorobenzilate	510-15-6	1.2 U	1.2	10	10	ug/L
Chrysene	218-01-9	1.0 U	1.0	10	10	ug/L
Diallate	2303-16-4	1.3 U	1.3	10	10	ug/L
Dibenzo(a,h)anthracene	53-70-3	1.0 U	1.0	10	10	ug/L
Dibenzofuran	132-64-9	1.3 U	1.3	10	10	ug/L
Diethylphthalate	84-66-2	1.0 U	1.0	10	10	ug/L
Dimethoate	60-51-5	1.0 U	1.0	10	20	ug/L
Dimethylphthalate	131-11-3	1.1 U	1.1	10	10	ug/L
Di-n-butylphthalate	84-74-2	1.0 U	1.0	10	10	ug/L
Di-n-octylphthalate	117-84-0	0.90 U	0.90	10	10	ug/L
Disulfoton	298-04-4	1.0 U	1.0	10	10	ug/L
Ethyl methanesulfonate	62-50-0	2.0 U	2.0	10	20	ug/L
Famphur	52-85-7	2.0 U	2.0	10	20	ug/L
Fluoranthene	206-44-0	0.90 U	0.90	10	10	ug/L
Fluorene	86-73-7	1.1 U	1.1	10	10	ug/L
Hexachlorobenzene	118-74-1	1.1 U	1.1	10	10	ug/L
Hexachlorobutadiene	87-68-3	2.0 U	2.0	10	10	ug/L
Hexachlorocyclopentadiene	77-47-4	2.0 U	2.0	10	10	ug/L
Hexachloroethane	67-72-1	2.4 U	2.4	10	10	ug/L
Hexachloropropene	1888-71-7	1.1 U	1.1	10	10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	1.1 U	1.1	10	10	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/02/07 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	CA00745		
QC Batch:	7E30005		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
Isodrin	465-73-6	1.0 U	1.0	10	20	ug/L
Isophorone	78-59-1	1.8 U	1.8	10	10	ug/L
Isosafrole	120-58-1	1.8 U	1.8	10	10	ug/L
Kepone	143-50-0	1.5 U	1.5	20	20	ug/L
Methapyrilene	91-80-5	3.8 U	3.8	10	100	ug/L
Methyl Methanesulfonate	66-27-3	2.0 U	2.0	10	10	ug/L
Methyl parathion	298-00-0	1.1 U	1.1	10	10	ug/L
Nitrobenzene	98-95-3	1.9 U	1.9	10	10	ug/L
N-Nitrosodiethylamine	55-18-5	1.9 U	1.9	10	20	ug/L
N-Nitrosodimethylamine	62-75-9	1.9 U	1.9	10	10	ug/L
N-Nitrosodi-n-butylamine	924-16-3	1.7 U	1.7	10	10	ug/L
N-Nitroso-di-n-propylamine	621-64-7	2.1 U	2.1	10	10	ug/L
N-Nitrosodiphenylamine/Diphenylamine	86-30-6/122-39-4	1.1 U	1.1	10	10	ug/L
N-Nitrosomethylethylamine	10595-95-6	1.9 U	1.9	10	10	ug/L
N-Nitrosopiperidine	100-75-4	1.5 U	1.5	10	20	ug/L
N-Nitrosopyrrolidine	930-55-2	1.9 U	1.9	10	10	ug/L
O,O,O-Triethyl phosphorothioate	126-68-1	2.0 U	2.0	10	10	ug/L
o-Toluidine	95-53-4	1.5 U	1.5	10	10	ug/L
Parathion	56-38-2	1.0 U	1.0	10	10	ug/L
p-Dimethylaminoazobenzene	60-11-7	1.2 U	1.2	10	10	ug/L
Pentachlorobenzene	608-93-5	1.2 U	1.2	10	10	ug/L
Pentachloronitrobenzene	82-68-8	1.1 U	1.1	10	20	ug/L
Phenacetin	62-44-2	1.0 U	1.0	10	20	ug/L
Phenanthrene	85-01-8	0.90 U	0.90	10	10	ug/L
Phenol	108-95-2	1.5 U	1.5	10	10	ug/L
Phorate	298-02-2	4.1 U	4.1	10	10	ug/L
Pronamide	23950-58-5	1.0 U	1.0	10	10	ug/L
Pyrene	129-00-0	0.90 U	0.90	10	10	ug/L
Safrole	94-59-7	1.9 U	1.9	10	10	ug/L
Thionazin	297-97-2	1.0 U	1.0	10	20	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,6-Tribromophenol	118-79-6	74	100	74 %	55-159
2-Fluorobiphenyl	321-60-8	32	50.0	63 %	44-131
2-Fluorophenol	367-12-4	39	100	39 %	30-114
Nitrobenzene-d5	NA	26	50.0	53 %	39-131
Phenol-d5	NA	30	100	30 %	12-122
Terphenyl-d14	NA	50	50.0	100 %	47-160

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	06/02/07 By: JHH	Unit:	ug/L
Anal. Method:	EPA 8081A	Dilution Factor:	1
Anal. Batch:	CA00763		
QC Batch:	7E29009		

Organochlorine Pesticides by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
4,4'-DDD	72-54-8	0.0050 U	0.0050	0.050	0.1	ug/L
4,4'-DDE	72-55-9	0.0060 U	0.0060	0.050	0.1	ug/L
4,4'-DDT	50-29-3	0.0050 U	0.0050	0.050	0.1	ug/L
Aldrin	309-00-2	0.0030 U	0.0030	0.050	0.05	ug/L
alpha-BHC	319-84-6	0.0010 U	0.0010	0.050	0.05	ug/L
beta-BHC	319-85-7	0.0030 U	0.0030	0.050	0.05	ug/L
Chlordane-gamma	NA	0.0050 U	0.0050	0.050	NE	ug/L
Chlordane-gamma	NA	0.0050 U	0.0050	0.050	NE	ug/L
delta-BHC	319-86-8	0.0020 U	0.0020	0.050	0.05	ug/L
Dieldrin	60-57-1	0.0060 U	0.0060	0.050	0.075	ug/L
Endosulfan I	959-98-8	0.0040 U	0.0040	0.050	0.1	ug/L
Endosulfan II	33213-65-9	0.0040 U	0.0040	0.050	0.1	ug/L
Endosulfan sulfate	1031-07-8	0.0040 U	0.0040	0.050	0.1	ug/L
Endrin	72-20-8	0.0040 U	0.0040	0.050	0.1	ug/L
Endrin aldehyde	7421-93-4	0.0040 U	0.0040	0.050	0.1	ug/L
gamma-BHC	58-89-9	0.0020 U	0.0020	0.050	0.05	ug/L
Heptachlor	76-44-8	0.0030 U	0.0030	0.050	0.05	ug/L
Heptachlor epoxide	1024-57-3	0.0040 U	0.0040	0.050	0.075	ug/L
Methoxychlor	72-43-5	0.0060 U	0.0060	0.050	1	ug/L
Toxaphene	8001-35-2	0.67 U	0.67	1.0	1.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,5,6-TCMX	877-09-8	0.86	1.00	86 %	27-125
DBC	NA	1.0	1.00	100 %	46-130

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	06/02/07 By: JHH	Unit:	ug/L
Anal. Method:	EPA 8082	Dilution Factor:	1
Anal. Batch:	CA00763		
QC Batch:	7E29009		

Polychlorinated Biphenyls by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
PCB-1016/1242	12674-11-2/53469-21-	0.34 U	0.34	1.0		ug/L
PCB-1221	11104-28-2	0.70 U	0.70	1.0	NE	ug/L
PCB-1232	11141-16-5	0.80 U	0.80	1.0	NE	ug/L
PCB-1248	12672-29-6	0.70 U	0.70	1.0	NE	ug/L
PCB-1254	11097-69-1	0.50 U	0.50	1.0	NE	ug/L
PCB-1260	11096-82-5	0.21 U	0.21	1.0	NE	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,5,6-TCMX	877-09-8	0.86	1.00	86 %	27-125
DBC	NA	1.0	1.00	100 %	46-130

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ANALYTICAL REPORT

Sample ID: MW-1R
Lab #: C707044-01

Project: Greene County LDF
Work Order #: C707044
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7E30019
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Barium	7440-39-3	**172**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7E29005
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7E29005
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7E29005
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Lead	7439-92-1	**3.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7E30008
Nickel	7440-02-0	**2.0** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7E29005
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Thallium	7440-28-0	**0.193** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7E30019
Tin	7440-31-5	2.0 U	1	2.0	10.0	100	ug/L	EPA 6010B	EPA 3005A	7E29005
Vanadium	7440-62-2	**3.0** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7E29005
Zinc	7440-66-6	**23.0**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Sulfide	18496-25-8	0.50 U	1	0.50	1.0	1	mg/L	EPA 376.1	NO PREP	7F07025

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ANALYTICAL REPORT

Sample ID:	MW-1R	Project:	Greene County LDF
Lab #:	C707044-01	Work Order #:	C707044
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	05/31/07 By: RB/	Unit:	ug/L
Anal. Method:	EPA 8151A	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7E25017		

Chlorinated Herbicides by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
2,4,5-T	93-76-5	0.11 U	0.11	0.30	2	ug/L
2,4,5-TP (Silvex)	93-72-1	0.11 U	0.11	0.30	2	ug/L
2,4-D	94-75-7	0.12 U	0.12	0.30	2	ug/L
Dinoseb	88-85-7	0.23 U	0.23	0.30	1	ug/L
Pentachlorophenol	87-86-5	0.13 U	0.13	0.30	25.05	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4-DCAA	94-75-7	2.4	2.00	120 %	61-177

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ANALYTICAL REPORT

Sample ID: MW-1R
Lab #: C707044-01

Project: Greene County LDF
Work Order #: C707044
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Cyanide (total)	57-12-5	0.0058 U	1	0.0058	0.010	10	mg/L	EPA 335.2	NO PREP	7E29002

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/07/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7F06020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**2.0** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,1-Dichloropropene	563-58-6	0.13 U	0.13	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.14 U	0.14	1.0	10	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,3-Dichlorobenzene	541-73-1	0.15 U	0.15	1.0	5	ug/L
1,3-Dichloropropane	142-28-9	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**2.4**	0.15	1.0	1	ug/L
2,2-Dichloropropane	594-20-7	0.16 U	0.16	1.0	15	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
3-Chloropropene	107-05-1	0.20 U	0.20	1.0	10	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acetonitrile	75-05-8	1.8 U	1.8	10	55	ug/L
Acrolein	107-02-8	2.1 U	2.1	10	52.5	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	**9.5** J	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/07/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7F06020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
Chloroprene	126-99-8	0.19 U	0.19	1.0	20	ug/L
cis-1,2-Dichloroethene	156-59-2	**10**	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Dichlorodifluoromethane	75-71-8	0.14 U	0.14	1.0	5	ug/L
Ethyl Methacrylate	97-63-2	0.17 U	0.17	2.0	10	ug/L
Ethylbenzene	100-41-4	**0.43** J	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
Isobutyl alcohol	78-83-1	8.4 U	8.4	20	100	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methacrylonitrile	126-98-7	0.69 U	0.69	10	100	ug/L
Methyl Methacrylate	80-62-6	0.38 U	0.38	1.0	30	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L
Naphthalene	91-20-3	0.25 U	0.25	1.0	10	ug/L
o-Xylene	95-47-6	**0.30** J	0.14	1.0	NE	ug/L
Propionitrile	107-12-0	1.6 U	1.6	10	150	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	**1.1**	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**2.6**	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	47	50.0	93 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	89 %	69-111
Toluene-d8	2037-26-5	44	50.0	87 %	85-120

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/02/07 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	CA00745		
QC Batch:	7E30005		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,2,4,5-Tetrachlorobenzene	95-94-3	1.7 U	1.7	10	10	ug/L
1,3,5-Trinitrobenzene	99-35-4	1.4 U	1.4	10	10	ug/L
1,3-Dinitrobenzene	99-65-0	1.0 U	1.0	10	20	ug/L
1,4-Naphthoquinone	130-15-4	3.2 U	3.2	10	10	ug/L
1,4-Phenylenediamine	106-50-3	4.0 U	4.0	10	10	ug/L
1-Naphthylamine	134-32-7	2.5 U	2.5	10	10	ug/L
2,3,4,6-Tetrachlorophenol	58-90-2	1.0 U	1.0	10	10	ug/L
2,4,5-Trichlorophenol	95-95-4	1.1 U	1.1	10	10	ug/L
2,4,6-Trichlorophenol	88-06-2	1.4 U	1.4	10	10	ug/L
2,4-Dichlorophenol	120-83-2	1.6 U	1.6	10	10	ug/L
2,4-Dimethylphenol	105-67-9	3.0 U	3.0	10	10	ug/L
2,4-Dinitrophenol	51-28-5	1.7 U	1.7	10	50	ug/L
2,4-Dinitrotoluene	121-14-2	1.1 U	1.1	10	10	ug/L
2,6-Dichlorophenol	87-65-0	1.7 U	1.7	10	10	ug/L
2,6-Dinitrotoluene	606-20-2	1.0 U	1.0	10	10	ug/L
2-Acetylaminofluorene	53-96-3	1.3 U	1.3	10	20	ug/L
2-Chloronaphthalene	91-58-7	1.6 U	1.6	10	10	ug/L
2-Chlorophenol	95-57-8	2.0 U	2.0	10	10	ug/L
2-Methyl-4,6-dinitrophenol	534-52-1	1.2 U	1.2	10	50	ug/L
2-Methylnaphthalene	91-57-6	2.0 U	2.0	10	10	ug/L
2-Methylphenol	95-48-7	2.0 U	2.0	10	10	ug/L
2-Naphthylamine	91-59-8	4.0 U	4.0	10	10	ug/L
2-Nitroaniline	88-74-4	1.2 U	1.2	10	50	ug/L
2-Nitrophenol	88-75-5	1.8 U	1.8	10	10	ug/L
3 & 4-Methylphenol		1.9 U	1.9	20	10	ug/L
3,3'-Dichlorobenzidine	91-94-1	1.8 U	1.8	10	20	ug/L
3,3'-Dimethylbenzidine	119-93-7	3.0 U	3.0	10	10	ug/L
3-Methylcholanthrene	56-49-5	1.3 U	1.3	10	10	ug/L
3-Nitroaniline	99-09-2	0.70 U	0.70	10	50	ug/L
4-Aminobiphenyl	92-67-1	3.1 U	3.1	10	15	ug/L
4-Bromophenyl-phenylether	101-55-3	1.1 U	1.1	10	10	ug/L
4-Chloro-3-methylphenol	59-50-7	1.4 U	1.4	10	20	ug/L
4-Chloroaniline	106-47-8	1.6 U	1.6	10	20	ug/L
4-Chlorophenyl-phenylether	7005-72-3	1.2 U	1.2	10	10	ug/L
4-Nitroaniline	100-01-6	0.70 U	0.70	10	20	ug/L
4-Nitrophenol	100-02-7	1.2 U	1.2	10	50	ug/L
5-Nitro-o-toluidine	99-55-8	0.60 U	0.60	10	10	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/02/07 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	CA00745		
QC Batch:	7E30005		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
7,12-Dimethylbenz(a)anthracene	57-97-6	1.1 U	1.1	10	10	ug/L
Acenaphthene	83-32-9	1.4 U	1.4	10	10	ug/L
Acenaphthylene	208-96-8	1.4 U	1.4	10	10	ug/L
Acetophenone	98-86-2	2.0 U	2.0	10	10	ug/L
Anthracene	120-12-7	0.90 U	0.90	10	10	ug/L
Benzo(a)anthracene	56-55-3	1.0 U	1.0	10	10	ug/L
Benzo(a)pyrene	50-32-8	1.1 U	1.1	10	10	ug/L
Benzo(b)fluoranthene	205-99-2	0.70 U	0.70	10	10	ug/L
Benzo(g,h,i)perylene	191-24-2	1.3 U	1.3	10	10	ug/L
Benzo(k)fluoranthene	207-08-9	1.8 U	1.8	10	10	ug/L
Benzyl alcohol	100-51-6	2.0 U	2.0	10	20	ug/L
Bis(2-chloroethoxy)methane	111-91-1	2.0 U	2.0	10	10	ug/L
Bis(2-chloroethyl)ether	111-44-4	2.1 U	2.1	10	10	ug/L
Bis(2-chloroisopropyl)ether	108-60-1	2.2 U	2.2	10	10	ug/L
Bis(2-ethylhexyl)phthalate	117-81-7	1.0 U	1.0	10	15	ug/L
Butylbenzylphthalate	85-68-7	1.0 U	1.0	10	10	ug/L
Chlorobenzilate	510-15-6	1.2 U	1.2	10	10	ug/L
Chrysene	218-01-9	1.0 U	1.0	10	10	ug/L
Diallate	2303-16-4	1.3 U	1.3	10	10	ug/L
Dibenzo(a,h)anthracene	53-70-3	1.0 U	1.0	10	10	ug/L
Dibenzofuran	132-64-9	1.3 U	1.3	10	10	ug/L
Diethylphthalate	84-66-2	1.0 U	1.0	10	10	ug/L
Dimethoate	60-51-5	1.0 U	1.0	10	20	ug/L
Dimethylphthalate	131-11-3	1.1 U	1.1	10	10	ug/L
Di-n-butylphthalate	84-74-2	1.0 U	1.0	10	10	ug/L
Di-n-octylphthalate	117-84-0	0.90 U	0.90	10	10	ug/L
Disulfoton	298-04-4	1.0 U	1.0	10	10	ug/L
Ethyl methanesulfonate	62-50-0	2.0 U	2.0	10	20	ug/L
Famphur	52-85-7	2.0 U	2.0	10	20	ug/L
Fluoranthene	206-44-0	0.90 U	0.90	10	10	ug/L
Fluorene	86-73-7	1.1 U	1.1	10	10	ug/L
Hexachlorobenzene	118-74-1	1.1 U	1.1	10	10	ug/L
Hexachlorobutadiene	87-68-3	2.0 U	2.0	10	10	ug/L
Hexachlorocyclopentadiene	77-47-4	2.0 U	2.0	10	10	ug/L
Hexachloroethane	67-72-1	2.4 U	2.4	10	10	ug/L
Hexachloropropene	1888-71-7	1.1 U	1.1	10	10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	1.1 U	1.1	10	10	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/02/07 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	CA00745		
QC Batch:	7E30005		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
Isodrin	465-73-6	1.0 U	1.0	10	20	ug/L
Isophorone	78-59-1	1.8 U	1.8	10	10	ug/L
Isosafrole	120-58-1	1.8 U	1.8	10	10	ug/L
Kepone	143-50-0	1.5 U	1.5	20	20	ug/L
Methapyrilene	91-80-5	3.8 U	3.8	10	100	ug/L
Methyl Methanesulfonate	66-27-3	2.0 U	2.0	10	10	ug/L
Methyl parathion	298-00-0	1.1 U	1.1	10	10	ug/L
Nitrobenzene	98-95-3	1.9 U	1.9	10	10	ug/L
N-Nitrosodiethylamine	55-18-5	1.9 U	1.9	10	20	ug/L
N-Nitrosodimethylamine	62-75-9	1.9 U	1.9	10	10	ug/L
N-Nitrosodi-n-butylamine	924-16-3	1.7 U	1.7	10	10	ug/L
N-Nitroso-di-n-propylamine	621-64-7	2.1 U	2.1	10	10	ug/L
N-Nitrosodiphenylamine/Diphenylamine	86-30-6/122-39-4	1.1 U	1.1	10	10	ug/L
N-Nitrosomethylethylamine	10595-95-6	1.9 U	1.9	10	10	ug/L
N-Nitrosopiperidine	100-75-4	1.5 U	1.5	10	20	ug/L
N-Nitrosopyrrolidine	930-55-2	1.9 U	1.9	10	10	ug/L
O,O,O-Triethyl phosphorothioate	126-68-1	2.0 U	2.0	10	10	ug/L
o-Toluidine	95-53-4	1.5 U	1.5	10	10	ug/L
Parathion	56-38-2	1.0 U	1.0	10	10	ug/L
p-Dimethylaminoazobenzene	60-11-7	1.2 U	1.2	10	10	ug/L
Pentachlorobenzene	608-93-5	1.2 U	1.2	10	10	ug/L
Pentachloronitrobenzene	82-68-8	1.1 U	1.1	10	20	ug/L
Phenacetin	62-44-2	1.0 U	1.0	10	20	ug/L
Phenanthrene	85-01-8	0.90 U	0.90	10	10	ug/L
Phenol	108-95-2	1.5 U	1.5	10	10	ug/L
Phorate	298-02-2	4.1 U	4.1	10	10	ug/L
Pronamide	23950-58-5	1.0 U	1.0	10	10	ug/L
Pyrene	129-00-0	0.90 U	0.90	10	10	ug/L
Safrole	94-59-7	1.9 U	1.9	10	10	ug/L
Thionazin	297-97-2	1.0 U	1.0	10	20	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,6-Tribromophenol	118-79-6	73	100	73 %	55-159
2-Fluorobiphenyl	321-60-8	32	50.0	64 %	44-131
2-Fluorophenol	367-12-4	38	100	38 %	30-114
Nitrobenzene-d5	NA	26	50.0	52 %	39-131
Phenol-d5	NA	30	100	30 %	12-122
Terphenyl-d14	NA	51	50.0	102 %	47-160

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	06/02/07 By: JHH	Unit:	ug/L
Anal. Method:	EPA 8081A	Dilution Factor:	1
Anal. Batch:	CA00763		
QC Batch:	7E29009		

Organochlorine Pesticides by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
4,4'-DDD	72-54-8	0.0050 U	0.0050	0.050	0.1	ug/L
4,4'-DDE	72-55-9	0.0060 U	0.0060	0.050	0.1	ug/L
4,4'-DDT	50-29-3	0.0050 U	0.0050	0.050	0.1	ug/L
Aldrin	309-00-2	0.0030 U	0.0030	0.050	0.05	ug/L
alpha-BHC	319-84-6	0.0010 U	0.0010	0.050	0.05	ug/L
beta-BHC	319-85-7	0.0030 U	0.0030	0.050	0.05	ug/L
Chlordane-gamma	NA	0.0050 U	0.0050	0.050	NE	ug/L
Chlordane-gamma	NA	0.0050 U	0.0050	0.050	NE	ug/L
delta-BHC	319-86-8	0.0020 U	0.0020	0.050	0.05	ug/L
Dieldrin	60-57-1	0.0060 U	0.0060	0.050	0.075	ug/L
Endosulfan I	959-98-8	0.0040 U	0.0040	0.050	0.1	ug/L
Endosulfan II	33213-65-9	0.0040 U	0.0040	0.050	0.1	ug/L
Endosulfan sulfate	1031-07-8	0.0040 U	0.0040	0.050	0.1	ug/L
Endrin	72-20-8	0.0040 U	0.0040	0.050	0.1	ug/L
Endrin aldehyde	7421-93-4	0.0040 U	0.0040	0.050	0.1	ug/L
gamma-BHC	58-89-9	0.0020 U	0.0020	0.050	0.05	ug/L
Heptachlor	76-44-8	0.0030 U	0.0030	0.050	0.05	ug/L
Heptachlor epoxide	1024-57-3	0.0040 U	0.0040	0.050	0.075	ug/L
Methoxychlor	72-43-5	0.0060 U	0.0060	0.050	1	ug/L
Toxaphene	8001-35-2	0.67 U	0.67	1.0	1.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,5,6-TCMX	877-09-8	0.93	1.00	93 %	27-125
DBC	NA	0.96	1.00	96 %	46-130

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	06/02/07 By: JHH	Unit:	ug/L
Anal. Method:	EPA 8082	Dilution Factor:	1
Anal. Batch:	CA00763		
QC Batch:	7E29009		

Polychlorinated Biphenyls by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
PCB-1016/1242	12674-11-2/53469-21-	0.34 U	0.34	1.0		ug/L
PCB-1221	11104-28-2	0.70 U	0.70	1.0	NE	ug/L
PCB-1232	11141-16-5	0.80 U	0.80	1.0	NE	ug/L
PCB-1248	12672-29-6	0.70 U	0.70	1.0	NE	ug/L
PCB-1254	11097-69-1	0.50 U	0.50	1.0	NE	ug/L
PCB-1260	11096-82-5	0.21 U	0.21	1.0	NE	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,5,6-TCMX	877-09-8	0.93	1.00	93 %	27-125
DBC	NA	0.96	1.00	96 %	46-130

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ANALYTICAL REPORT

Sample ID: MW-4
Lab #: C707044-02

Project: Greene County LDF
Work Order #: C707044
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7E30019
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Barium	7440-39-3	**52.2** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7E29005
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7E29005
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7E29005
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7E30008
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7E29005
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005
Thallium	7440-28-0	**0.057** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7E30019
Tin	7440-31-5	2.0 U	1	2.0	10.0	100	ug/L	EPA 6010B	EPA 3005A	7E29005
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7E29005
Zinc	7440-66-6	**3.6** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7E29005

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Sulfide	18496-25-8	0.50 U	1	0.50	1.0	1	mg/L	EPA 376.1	NO PREP	7F07025

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Greene County LDF
Lab #:	C707044-02	Work Order #:	C707044
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	05/31/07 By: RB/	Unit:	ug/L
Anal. Method:	EPA 8151A	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7E25017		

Chlorinated Herbicides by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
2,4,5-T	93-76-5	0.11 U	0.11	0.30	2	ug/L
2,4,5-TP (Silvex)	93-72-1	0.11 U	0.11	0.30	2	ug/L
2,4-D	94-75-7	0.12 U	0.12	0.30	2	ug/L
Dinoseb	88-85-7	0.23 U	0.23	0.30	1	ug/L
Pentachlorophenol	87-86-5	0.13 U	0.13	0.30	25.05	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4-DCAA	94-75-7	2.5	2.00	124 %	61-177

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ANALYTICAL REPORT

Sample ID: MW-4
Lab #: C707044-02

Project: Greene County LDF
Work Order #: C707044
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Cyanide (total)	57-12-5	0.0058 U	1	0.0058	0.010	10	mg/L	EPA 335.2	NO PREP	7E29002

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Greene County LDF
Lab #:	C707044-03	Work Order #:	C707044
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	06/07/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7F06020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,1-Dichloropropene	563-58-6	0.13 U	0.13	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.14 U	0.14	1.0	10	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,3-Dichlorobenzene	541-73-1	0.15 U	0.15	1.0	5	ug/L
1,3-Dichloropropane	142-28-9	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2,2-Dichloropropane	594-20-7	0.16 U	0.16	1.0	15	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
3-Chloropropene	107-05-1	0.20 U	0.20	1.0	10	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acetonitrile	75-05-8	1.8 U	1.8	10	55	ug/L
Acrolein	107-02-8	2.1 U	2.1	10	52.5	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Greene County LDF
Lab #:	C707044-03	Work Order #:	C707044
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	06/07/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7F06020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
Chloroprene	126-99-8	0.19 U	0.19	1.0	20	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Dichlorodifluoromethane	75-71-8	0.14 U	0.14	1.0	5	ug/L
Ethyl Methacrylate	97-63-2	0.17 U	0.17	2.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
Isobutyl alcohol	78-83-1	8.4 U	8.4	20	100	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methacrylonitrile	126-98-7	0.69 U	0.69	10	100	ug/L
Methyl Methacrylate	80-62-6	0.38 U	0.38	1.0	30	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L
Naphthalene	91-20-3	0.25 U	0.25	1.0	10	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Propionitrile	107-12-0	1.6 U	1.6	10	150	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	47	50.0	95 %	67-125
Dibromofluoromethane	1868-53-7	49	50.0	99 %	69-111
Toluene-d8	2037-26-5	47	50.0	93 %	85-120

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7F06020 - EPA 5030B_MS										
Blank (7F06020-BLK1)				Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 01:35						
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	2.1 O-01, J	5.0	ug/L							O-01
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	2.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
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	0.40	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
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							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7F06020 - EPA 5030B_MS										
Blank (7F06020-BLK1) Continued				Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 01:35						
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							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 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							
Naphthalene	0.25 U	1.0	ug/L							
Blank (7F06020-BLK2)				Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 12:49						
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	2.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
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							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7F06020 - EPA 5030B_MS										
Blank (7F06020-BLK2) Continued				Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 12:49						
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	0.40	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
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							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 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							
Naphthalene	0.25 U	1.0	ug/L							
LCS (7F06020-BS1)				Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 02:01						
1,1-Dichloroethene	18	1.0	ug/L	20.0		90	57-141			
Benzene	18	1.0	ug/L	20.0		92	76-116			
Trichloroethene	20	1.0	ug/L	20.0		100	81-118			
Toluene	18	1.0	ug/L	20.0		88	77-120			
Chlorobenzene	19	1.0	ug/L	20.0		94	75-115			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7F06020 - EPA 5030B_MS										
LCS (7F06020-BS2)				Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 13:16						
1,1-Dichloroethene	17	1.0	ug/L	20.0		85	57-141			
Benzene	19	1.0	ug/L	20.0		93	76-116			
Trichloroethene	21	1.0	ug/L	20.0		104	81-118			
Toluene	17	1.0	ug/L	20.0		87	77-120			
Chlorobenzene	18	1.0	ug/L	20.0		92	75-115			
Matrix Spike (7F06020-MS1)		**Source: C707424-03**		Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 02:27						
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	90	57-141			
Benzene	18	1.0	ug/L	20.0	0.12 U	92	76-116			
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	99	81-118			
Toluene	18	1.0	ug/L	20.0	0.15 U	90	77-120			
Chlorobenzene	19	1.0	ug/L	20.0	0.16 U	95	75-115			
Matrix Spike (7F06020-MS2)		**Source: C707424-04**		Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 13:42						
1,1-Dichloroethene	19	1.0	ug/L	20.0	0.14 U	97	57-141			
Benzene	21	1.0	ug/L	20.0	0.12 U	104	76-116			
Trichloroethene	22	1.0	ug/L	20.0	0.23 U	112	81-118			
Toluene	19	1.0	ug/L	20.0	0.15 U	96	77-120			
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	104	75-115			
Matrix Spike Dup (7F06020-MSD1)		**Source: C707424-03**		Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 02:53						
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	90	57-141	0.3	12	
Benzene	18	1.0	ug/L	20.0	0.12 U	91	76-116	2	14	
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	102	81-118	4	11	
Toluene	18	1.0	ug/L	20.0	0.15 U	90	77-120	0.1	17	
Chlorobenzene	19	1.0	ug/L	20.0	0.16 U	97	75-115	2	12	
Matrix Spike Dup (7F06020-MSD2)		**Source: C707424-04**		Prepared: 06/06/2007 11:29 Analyzed: 06/07/2007 14:08						
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	90	57-141	7	12	
Benzene	19	1.0	ug/L	20.0	0.12 U	94	76-116	10	14	
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118	7	11	
Toluene	18	1.0	ug/L	20.0	0.15 U	89	77-120	8	17	
Chlorobenzene	19	1.0	ug/L	20.0	0.16 U	93	75-115	11	12	
Semivolatile Organic Compounds by GCMS - Quality Control										
Batch 7E30005 - EPA 3510C_MS										
Blank (7E30005-BLK1)				Prepared: 05/30/2007 07:54 Analyzed: 06/02/2007 02:16						
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	3.2 U	10	ug/L							
1,4-Phenylenediamine	4.0 U	10	ug/L							
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							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS - Quality Control										
Batch 7E30005 - EPA 3510C_MS										
Blank (7E30005-BLK1) Continued				Prepared: 05/30/2007 07:54 Analyzed: 06/02/2007 02:16						
2,4-Dinitrophenol	1.7 U	10	ug/L							
2,4-Dinitrotoluene	1.1 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	0.70 U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.2 U	10	ug/L							
4-Aminobiphenyl	3.1 U	10	ug/L							
4-Bromophenyl-phenylether	1.1 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	0.70 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	1.4 U	10	ug/L							
Acenaphthylene	1.4 U	10	ug/L							
Acetophenone	2.0 U	10	ug/L							
Anthracene	0.90 U	10	ug/L							
Benzo(a)anthracene	1.0 U	10	ug/L							
Benzo(a)pyrene	1.1 U	10	ug/L							
Benzo(b)fluoranthene	0.70 U	10	ug/L							
Benzo(g,h,i)perylene	1.3 U	10	ug/L							
Benzo(k)fluoranthene	1.8 U	10	ug/L							
Benzyl alcohol	2.0 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	1.0 U	10	ug/L							
Butylbenzylphthalate	1.0 U	10	ug/L							
Chlorobenzilate	1.2 U	10	ug/L							
Chrysene	1.0 U	10	ug/L							
Diallate	1.3 U	10	ug/L							

QUALITY CONTROL

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

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 7E30005 - EPA 3510C_MS

Blank (7E30005-BLK1) Continued Prepared: 05/30/2007 07:54 Analyzed: 06/02/2007 02:16

Dibenzo(a,h)anthracene	1.0 U	10	ug/L
Dibenzofuran	1.3 U	10	ug/L
Diethylphthalate	1.0 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	0.90 U	10	ug/L
Disulfoton	1.0 U	10	ug/L
Ethyl methanesulfonate	2.0 U	10	ug/L
Famphur	2.0 U	10	ug/L
Fluoranthene	0.90 U	10	ug/L
Fluorene	1.1 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	1.1 U	10	ug/L
Isodrin	1.0 U	10	ug/L
Isophorone	1.8 U	10	ug/L
Isosafrole	1.8 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	1.1 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	1.7 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	1.0 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	0.90 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	0.90 U	10	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS - Quality Control										
Batch 7E30005 - EPA 3510C_MS										
Blank (7E30005-BLK1) Continued				Prepared: 05/30/2007 07:54 Analyzed: 06/02/2007 02:16						
Safrole	1.9 U	10	ug/L							
Thionazin	1.0 U	10	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	1.1 U	10	ug/L							
LCS (7E30005-BS1)				Prepared: 05/30/2007 07:54 Analyzed: 06/02/2007 02:40						
2,4-Dinitrotoluene	36	10	ug/L	50.0		73	23-128			
2-Chlorophenol	33	10	ug/L	50.0		67	14-102			
4-Chloro-3-methylphenol	31	10	ug/L	50.0		62	10-126			
4-Nitrophenol	20	10	ug/L	50.0		39	10-131			
Acenaphthene	31	10	ug/L	50.0		63	22-115			
N-Nitroso-di-n-propylamine	30	10	ug/L	50.0		59	19-122			
Phenol	19	10	ug/L	50.0		38	11-87			
Pyrene	50	10	ug/L	50.0		101	45-123			
Matrix Spike (7E30005-MS1)		**Source: C707166-01**		Prepared: 05/30/2007 07:54 Analyzed: 06/02/2007 03:29						
2,4-Dinitrotoluene	39	10	ug/L	50.0	1.1 U	78	28-116			
2-Chlorophenol	34	10	ug/L	50.0	2.0 U	68	22-99			
4-Chloro-3-methylphenol	33	10	ug/L	50.0	1.4 U	66	37-109			
4-Nitrophenol	22	10	ug/L	50.0	1.2 U	44	10-140			
Acenaphthene	35	10	ug/L	50.0	1.4 U	70	23-119			
N-Nitroso-di-n-propylamine	29	10	ug/L	50.0	2.1 U	58	22-115			
Phenol	23	10	ug/L	50.0	1.5 U	45	10-92			
Pyrene	52	10	ug/L	50.0	0.90 U	105	43-123			
Matrix Spike Dup (7E30005-MSD1)		**Source: C707166-01**		Prepared: 05/30/2007 07:54 Analyzed: 06/02/2007 03:52						
2,4-Dinitrotoluene	37	10	ug/L	50.0	1.1 U	75	28-116	5	21	
2-Chlorophenol	33	10	ug/L	50.0	2.0 U	66	22-99	3	41	
4-Chloro-3-methylphenol	33	10	ug/L	50.0	1.4 U	65	37-109	1	22	
4-Nitrophenol	21	10	ug/L	50.0	1.2 U	42	10-140	3	52	
Acenaphthene	34	10	ug/L	50.0	1.4 U	69	23-119	2	28	
N-Nitroso-di-n-propylamine	29	10	ug/L	50.0	2.1 U	57	22-115	2	22	
Phenol	20	10	ug/L	50.0	1.5 U	39	10-92	14	44	
Pyrene	52	10	ug/L	50.0	0.90 U	104	43-123	1	32	
Organochlorine Pesticides by GC - Quality Control										
Batch 7E29009 - EPA 3510C										
Blank (7E29009-BLK1)				Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 14:10						
4,4'-DDD	0.0050 U	0.050	ug/L							
4,4'-DDE	0.0060 U	0.050	ug/L							
4,4'-DDT	0.0050 U	0.050	ug/L							
Aldrin	0.0030 U	0.050	ug/L							
alpha-BHC	0.0010 U	0.050	ug/L							
beta-BHC	0.0030 U	0.050	ug/L							
Chlordane-gamma	0.0050 U	0.050	ug/L							
delta-BHC	0.0020 U	0.050	ug/L							
Dieldrin	0.0060 U	0.050	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Organochlorine Pesticides by GC - Quality Control										
Batch 7E29009 - EPA 3510C										
Blank (7E29009-BLK1) Continued				Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 14:10						
Endosulfan I	0.0040 U	0.050	ug/L							
Endosulfan II	0.0040 U	0.050	ug/L							
Endosulfan sulfate	0.0040 U	0.050	ug/L							
Endrin	0.0040 U	0.050	ug/L							
Endrin aldehyde	0.0040 U	0.050	ug/L							
gamma-BHC	0.0020 U	0.050	ug/L							
Heptachlor	0.0030 U	0.050	ug/L							
Heptachlor epoxide	0.0040 U	0.050	ug/L							
Methoxychlor	0.0060 U	0.050	ug/L							
Toxaphene	0.67 U	1.0	ug/L							
LCS (7E29009-BS1)				Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 14:34						
4,4'-DDT	0.98	0.050	ug/L	1.00		98	43-162			
Aldrin	0.92	0.050	ug/L	1.00		92	51-126			
Dieldrin	1.0	0.050	ug/L	1.00		100	57-140			
Endrin	0.96	0.050	ug/L	1.00		96	61-140			
gamma-BHC	0.99	0.050	ug/L	1.00		99	47-136			
Heptachlor	0.99	0.050	ug/L	1.00		99	49-145			
LCS (7E29009-BS2)				Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 15:45						
4,4'-DDT	1.2	0.050	ug/L				43-162			
Aldrin	0.14	0.050	ug/L				51-126			
Dieldrin	0.39	0.050	ug/L				57-140			
Endrin	0.057	0.050	ug/L				61-140			
gamma-BHC	0.062	0.050	ug/L				47-136			
Heptachlor	0.18	0.050	ug/L				49-145			
Matrix Spike (7E29009-MS1)		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 14:57						
4,4'-DDT	1.1	0.050	ug/L	1.00	0.0050 U	109	48-163			
Aldrin	1.0	0.050	ug/L	1.00	0.0030 U	104	31-159			
Dieldrin	1.1	0.050	ug/L	1.00	0.0060 U	108	41-157			
Endrin	1.0	0.050	ug/L	1.00	0.0040 U	104	41-157			
gamma-BHC	1.1	0.050	ug/L	1.00	0.0020 U	109	41-133			
Heptachlor	1.1	0.050	ug/L	1.00	0.0030 U	114	34-169			
Matrix Spike (7E29009-MS2)		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 16:08						
4,4'-DDT	1.2	0.050	ug/L		0.0050 U		48-163			
Aldrin	0.15	0.050	ug/L		0.0030 U		31-159			
Dieldrin	0.39	0.050	ug/L		0.0060 U		41-157			
Endrin	0.058	0.050	ug/L		0.0040 U		41-157			
gamma-BHC	0.063	0.050	ug/L		0.0020 U		41-133			
Heptachlor	0.18	0.050	ug/L		0.0030 U		34-169			
Matrix Spike Dup (7E29009-MSD1)		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 15:21						
4,4'-DDT	0.98	0.050	ug/L	1.00	0.0050 U	98	48-163	11	31	
Aldrin	0.92	0.050	ug/L	1.00	0.0030 U	92	31-159	13	27	
Dieldrin	0.94	0.050	ug/L	1.00	0.0060 U	94	41-157	14	28	
Endrin	0.91	0.050	ug/L	1.00	0.0040 U	91	41-157	14	28	
gamma-BHC	0.95	0.050	ug/L	1.00	0.0020 U	95	41-133	14	24	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Organochlorine Pesticides by GC - Quality Control										
Batch 7E29009 - EPA 3510C										
Matrix Spike Dup (7E29009-MSD1) Continued		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 15:21						
Heptachlor	1.0	0.050	ug/L	1.00	0.0030 U	100	34-169	13	27	
Matrix Spike Dup (7E29009-MSD2)		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 16:32						
4,4'-DDT	1.3	0.050	ug/L		0.0050 U		48-163	3	31	
Aldrin	0.15	0.050	ug/L		0.0030 U		31-159	4	27	
Dieldrin	0.39	0.050	ug/L		0.0060 U		41-157	0.8	28	
Endrin	0.062	0.050	ug/L		0.0040 U		41-157	7	28	
gamma-BHC	0.064	0.050	ug/L		0.0020 U		41-133	2	24	
Heptachlor	0.18	0.050	ug/L		0.0030 U		34-169	2	27	
Polychlorinated Biphenyls by GC - Quality Control										
Batch 7E29009 - EPA 3510C										
Blank (7E29009-BLK1)				Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 14:10						
PCB-1016/1242	0.34 U	1.0	ug/L							
PCB-1221	0.70 U	1.0	ug/L							
PCB-1232	0.80 U	1.0	ug/L							
PCB-1248	0.70 U	1.0	ug/L							
PCB-1254	0.50 U	1.0	ug/L							
PCB-1260	0.21 U	1.0	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.88*		*ug/L*	*1.00*		*88*	*27-125*			
Surrogate: DBC	*1.0*		*ug/L*	*1.00*		*100*	*46-130*			
LCS (7E29009-BS1)				Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 14:34						
PCB-1016/1242	0.34 U	1.0	ug/L				50-150			
PCB-1260	0.21 U	1.0	ug/L				50-150			
Surrogate: 2,4,5,6-TCMX	*0.79*		*ug/L*	*1.00*		*79*	*27-125*			
Surrogate: DBC	*0.97*		*ug/L*	*1.00*		*97*	*46-130*			
LCS (7E29009-BS2)				Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 15:45						
PCB-1016/1242	7.7	1.0	ug/L	10.0		77	50-150			
PCB-1260	10	1.0	ug/L	10.0		104	50-150			
Surrogate: 2,4,5,6-TCMX	*0.90*		*ug/L*	*1.00*		*90*	*27-125*			
Surrogate: DBC	*1.8*		*ug/L*	*1.00*		*183*	*46-130*			
Matrix Spike (7E29009-MS1)		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 14:57						
PCB-1016/1242	0.34 U	1.0	ug/L		0.34 U		54-136			
PCB-1260	0.21 U	1.0	ug/L		0.21 U		48-145			
Surrogate: 2,4,5,6-TCMX	*0.93*		*ug/L*	*1.00*		*93*	*27-125*			
Surrogate: DBC	*0.88*		*ug/L*	*1.00*		*88*	*46-130*			
Matrix Spike (7E29009-MS2)		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 16:08						
PCB-1016/1242	8.0	1.0	ug/L	10.0	0.34 U	80	54-136			
PCB-1260	9.1	1.0	ug/L	10.0	0.21 U	91	48-145			
Surrogate: 2,4,5,6-TCMX	*0.93*		*ug/L*	*1.00*		*93*	*27-125*			
Surrogate: DBC	*1.7*		*ug/L*	*1.00*		*172*	*46-130*			
Matrix Spike Dup (7E29009-MSD1)		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 15:21						
PCB-1016/1242	0.34 U	1.0	ug/L		0.34 U		54-136		35	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Polychlorinated Biphenyls by GC - Quality Control										
Batch 7E29009 - EPA 3510C										
Matrix Spike Dup (7E29009-MSD1) Continued		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 15:21						
PCB-1260	0.21 U	1.0	ug/L		0.21 U		48-145		30	
Surrogate: 2,4,5,6-TCMX	*0.82*		*ug/L*	*1.00*		*82*	*27-125*			
Surrogate: DBC	*0.75*		*ug/L*	*1.00*		*75*	*46-130*			
Matrix Spike Dup (7E29009-MSD2)		**Source: C705840-04**		Prepared: 05/29/2007 10:07 Analyzed: 06/02/2007 16:32						
PCB-1016/1242	8.0	1.0	ug/L	10.0	0.34 U	80	54-136	0.3	35	
PCB-1260	9.7	1.0	ug/L	10.0	0.21 U	97	48-145	7	30	
Surrogate: 2,4,5,6-TCMX	*0.91*		*ug/L*	*1.00*		*91*	*27-125*			
Surrogate: DBC	*1.6*		*ug/L*	*1.00*		*164*	*46-130*			
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7E29005 - EPA 3005A										
Blank (7E29005-BLK1)				Prepared: 05/29/2007 08:51 Analyzed: 05/30/2007 09:43						
Arsenic	2.0 U	10.0	ug/L							
Barium	0.30 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							
Tin	2.0 U	10.0	ug/L							
Vanadium	1.0 U	10.0	ug/L							
Zinc	1.0 U	10.0	ug/L							
LCS (7E29005-BS1)				Prepared: 05/29/2007 08:51 Analyzed: 05/30/2007 09:50						
Arsenic	1050	10.0	ug/L	1000		105	82-117			
Barium	1190	10.0	ug/L	1000		119	72-125			
Beryllium	536	1.00	ug/L	500		107	75-121			
Cadmium	532	1.00	ug/L	500		106	72-120			
Chromium	1040	10.0	ug/L	1000		104	78-119			
Cobalt	1040	10.0	ug/L	1000		104	76-117			
Copper	512	10.0	ug/L	500		102	80-117			
Lead	1040	10.0	ug/L	1000		104	72-121			
Nickel	1060	10.0	ug/L	1000		106	78-116			
Selenium	1080	10.0	ug/L	1000		108	82-127			
Silver	103	10.0	ug/L	100		103	80-128			
Tin	1030	10.0	ug/L	1000		103	83-117			
Vanadium	510	10.0	ug/L	500		102	78-117			
Zinc	1050	10.0	ug/L	1000		105	80-120			
Matrix Spike (7E29005-MS1)		**Source: C707111-01**		Prepared: 05/29/2007 08:51 Analyzed: 05/30/2007 10:04						
Arsenic	1060	10.0	ug/L	1000	2.0 U	106	64-126			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7E29005 - EPA 3005A										
Matrix Spike (7E29005-MS1) Continued		**Source: C707111-01**		Prepared: 05/29/2007 08:51 Analyzed: 05/30/2007 10:04						
Barium	1320	10.0	ug/L	1000	146	118	74-119			
Beryllium	536	1.00	ug/L	500	0.70 U	107	70-131			
Cadmium	533	1.00	ug/L	500	0.50 U	107	68-121			
Chromium	1030	10.0	ug/L	1000	2.0 U	103	73-120			
Cobalt	1030	10.0	ug/L	1000	2.0 U	103	76-120			
Copper	514	10.0	ug/L	500	0.60 U	103	75-123			
Lead	1040	10.0	ug/L	1000	2.0 U	104	68-126			
Nickel	1060	10.0	ug/L	1000	2.0 U	106	64-126			
Selenium	1080	10.0	ug/L	1000	2.0 U	108	65-129			
Silver	103	10.0	ug/L	100	2.0 U	103	69-121			
Tin	1020	10.0	ug/L	1000	2.0 U	102	81-124			
Vanadium	510	10.0	ug/L	500	1.0 U	102	71-130			
Zinc	1050	10.0	ug/L	1000	2.30	105	63-131			
Matrix Spike Dup (7E29005-MSD1)		**Source: C707111-01**		Prepared: 05/29/2007 08:51 Analyzed: 05/30/2007 10:11						
Arsenic	1070	10.0	ug/L	1000	2.0 U	107	64-126	1	12	
Barium	1340	10.0	ug/L	1000	146	119	74-119	1	11	
Beryllium	542	1.00	ug/L	500	0.70 U	108	70-131	1	21	
Cadmium	538	1.00	ug/L	500	0.50 U	108	68-121	1	12	
Chromium	1040	10.0	ug/L	1000	2.0 U	104	73-120	1	10	
Cobalt	1040	10.0	ug/L	1000	2.0 U	104	76-120	1	17	
Copper	521	10.0	ug/L	500	0.60 U	104	75-123	1	16	
Lead	1050	10.0	ug/L	1000	2.0 U	105	68-126	0.9	19	
Nickel	1080	10.0	ug/L	1000	2.0 U	108	64-126	1	12	
Selenium	1090	10.0	ug/L	1000	2.0 U	109	65-129	0.7	10	
Silver	104	10.0	ug/L	100	2.0 U	104	69-121	1	12	
Tin	1030	10.0	ug/L	1000	2.0 U	103	81-124	1	18	
Vanadium	515	10.0	ug/L	500	1.0 U	103	71-130	0.9	16	
Zinc	1060	10.0	ug/L	1000	2.30	106	63-131	1	24	
Batch 7E30008 - EPA 7470A										
Blank (7E30008-BLK1)				Prepared: 05/30/2007 09:17 Analyzed: 05/31/2007 11:34						
Mercury	0.11 U	0.20	ug/L							
LCS (7E30008-BS1)				Prepared: 05/30/2007 09:17 Analyzed: 05/31/2007 11:38						
Mercury	4.55	0.20	ug/L	5.00		91	87-123			
Matrix Spike (7E30008-MS1)		**Source: C705840-04**		Prepared: 05/30/2007 09:17 Analyzed: 05/31/2007 11:48						
Mercury	4.57	0.20	ug/L	5.00	0.11 U	91	63-132			
Matrix Spike Dup (7E30008-MSD1)		**Source: C705840-04**		Prepared: 05/30/2007 09:17 Analyzed: 05/31/2007 11:50						
Mercury	4.64	0.20	ug/L	5.00	0.11 U	93	63-132	1	10	
Post Spike (7E30008-PS1)		**Source: C705840-04**		Prepared: 05/30/2007 09:17 Analyzed: 05/31/2007 11:53						
Mercury	4.22 QM-08	0.20	ug/L	5.00	0.03	84	85-115			QM-08
Batch 7E30019 - EPA 200.8										
Blank (7E30019-BLK1)				Prepared: 05/30/2007 14:32 Analyzed: 06/05/2007 14:30						
Antimony	1.00 U	5.00	ug/L							
Thallium	0.400 U	2.00	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7E30019 - EPA 200.8										
LCS (7E30019-BS1)				Prepared: 05/30/2007 14:32 Analyzed: 06/05/2007 14:37						
Antimony	52.2 E	5.00	ug/L	50.0		104	85-115			E
Thallium	51.2 E	2.00	ug/L	50.0		102	85-115			E
Matrix Spike (7E30019-MS1)		**Source: C705840-04**		Prepared: 05/30/2007 14:32 Analyzed: 06/05/2007 14:42						
Antimony	51.0 E	5.00	ug/L	50.0	1.00 U	102	85-115			E
Thallium	50.7 E	2.00	ug/L	50.0	0.400 U	101	85-115			E
Matrix Spike Dup (7E30019-MSD1)		**Source: C705840-04**		Prepared: 05/30/2007 14:32 Analyzed: 06/05/2007 14:45						
Antimony	51.3 E	5.00	ug/L	50.0	1.00 U	103	85-115	0.5	20	E
Thallium	50.8 E	2.00	ug/L	50.0	0.400 U	102	85-115	0.1	20	E
Classical Chemistry Parameters - Quality Control										
Batch 7F07025 - NO PREP										
Blank (7F07025-BLK1)				Prepared: 05/31/2007 13:32 Analyzed: 05/31/2007 13:34						
Sulfide	0.50 U	1.0	mg/L							
LCS (7F07025-BS1)				Prepared: 05/31/2007 13:32 Analyzed: 05/31/2007 13:34						
Sulfide	3.5	1.0	mg/L	4.01		87	80-120			
LCS Dup (7F07025-BSD1)				Prepared: 05/31/2007 13:32 Analyzed: 05/31/2007 13:34						
Sulfide	3.5	1.0	mg/L	4.01		87	80-120	0	200	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Chlorinated Herbicides by GC - Quality Control										
Batch 7E25017 - EPA 3510C										
Blank (7E25017-BLK1)				Prepared: 05/25/2007 12:53 Analyzed: 05/30/2007 23:40						
2,4-D	0.12 U	0.30	ug/L							
Pentachlorophenol	0.13 U	0.30	ug/L							
2,4,5-TP (Silvex)	0.11 U	0.30	ug/L							
2,4,5-T	0.11 U	0.30	ug/L							
Dinoseb	0.23 U	0.30	ug/L							
Surrogate: 2,4-DCAA	*2.5*		*ug/L*	*2.00*		*125*	*61-177*			
LCS (7E25017-BS1)				Prepared: 05/25/2007 12:53 Analyzed: 05/31/2007 00:13						
2,4-D	2.7	0.30	ug/L	2.00		134	32-179			
2,4,5-TP (Silvex)	2.6	0.30	ug/L	2.00		130	42-187			
Surrogate: 2,4-DCAA	*2.8*		*ug/L*	*2.00*		*142*	*61-177*			
Matrix Spike (7E25017-MS1)		**Source: A702980-01**		Prepared: 05/25/2007 12:53 Analyzed: 05/31/2007 00:46						
2,4-D	2.7	0.30	ug/L	2.00	0.12 U	133	32-179			
2,4,5-TP (Silvex)	2.6	0.30	ug/L	2.00	0.11 U	131	42-187			
Surrogate: 2,4-DCAA	*2.6*		*ug/L*	*2.00*		*130*	*61-177*			
Matrix Spike Dup (7E25017-MSD1)		**Source: A702980-01**		Prepared: 05/25/2007 12:53 Analyzed: 05/31/2007 01:18						
2,4-D	2.9	0.30	ug/L	2.00	0.12 U	146	32-179	9	21	
2,4,5-TP (Silvex)	2.7	0.30	ug/L	2.00	0.11 U	137	42-187	4	12	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Chlorinated Herbicides by GC - Quality Control										
Batch 7E25017 - EPA 3510C										
Matrix Spike Dup (7E25017-MSD1) Continued		**Source: A702980-01**		Prepared: 05/25/2007 12:53 Analyzed: 05/31/2007 01:18						
Surrogate: 2,4-DCAA	*2.6*		*ug/L*	*2.00*		*132*	*61-177*			
Classical Chemistry Parameters - Quality Control										
Batch 7E29002 - NO PREP										
Blank (7E29002-BLK1)				Prepared: 05/29/2007 10:50 Analyzed: 05/29/2007 22:10						
Cyanide (total)	0.0058 U	0.010	mg/L							
Blank (7E29002-BLK2)				Prepared: 05/29/2007 13:53 Analyzed: 05/29/2007 22:10						
Cyanide (total)	0.0058 U	0.010	mg/L							
Blank (7E29002-BLK3)				Prepared: 05/29/2007 16:10 Analyzed: 05/30/2007 09:08						
Cyanide (total)	0.0058 U	0.010	mg/L							
Blank (7E29002-BLK4)				Prepared: 05/30/2007 08:10 Analyzed: 05/30/2007 10:15						
Cyanide (total)	0.0058 U	0.010	mg/L							
LCS (7E29002-BS1)				Prepared: 05/29/2007 10:50 Analyzed: 05/29/2007 22:10						
Cyanide (total)	0.20	0.010	mg/L	0.200		99	83.7-110			
LCS (7E29002-BS2)				Prepared: 05/29/2007 13:53 Analyzed: 05/29/2007 22:10						
Cyanide (total)	0.19	0.010	mg/L	0.200		96	83.7-110			
LCS (7E29002-BS3)				Prepared: 05/29/2007 16:10 Analyzed: 05/30/2007 09:08						
Cyanide (total)	0.21	0.010	mg/L	0.200		103	83.7-110			
LCS (7E29002-BS4)				Prepared: 05/30/2007 08:10 Analyzed: 05/30/2007 10:15						
Cyanide (total)	0.20	0.010	mg/L	0.200		99	83.7-110			
Matrix Spike (7E29002-MS1)		**Source: A702970-01**		Prepared: 05/29/2007 10:50 Analyzed: 05/29/2007 22:10						
Cyanide (total)	0.20	0.010	mg/L	0.200	0.0058 U	99	83.7-110			
Matrix Spike Dup (7E29002-MSD1)		**Source: A702970-01**		Prepared: 05/29/2007 10:50 Analyzed: 05/29/2007 22:10						
Cyanide (total)	0.19	0.010	mg/L	0.200	0.0058 U	97	83.7-110	2	20	

NOTES AND DEFINITIONS

E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
O-01	This compound is a common laboratory contaminant.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8081A Appendix 2	Water	NC	591
8082 Appendix 2	Water	NC	591
8260B Appendix 2	Water	NC	591
8270C Appendix 2	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Mercury Total EPA 7470A	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Sulfide 376.1	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Tin Total EPA 6010B	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591
8151A Appendix 2	Water	NC	424
Cyanide Total 335.2	Water	NC	424

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

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

Page 1 of 1

Client Name: Municipal Engineering Services (MU001)	Project Number: [none]
Address: P.O. Box 97	Project Name/Desc: Greene County LDF
City/ST/Zip: Garner, NC 27529	PO # / Billing Info:
Tel: (919) 772-5393 Fax: (919) 772-1176	Reporting Contact: Jonathan Pfohl
Sampler(s) Name, Affiliation (Print): Jo Pfohl, MESCO	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C707044

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

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081A Appendix 2.8082 Appendix 2.8151A Appendix 2.8270C Appendix 2	8260B Appendix 2	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Hg,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Cyanide Total 335.2	Sulfide 376.1						Sample Comments
	MW-1R	5/24/07	4:00	Grab	Water	10	X	X	X	X	X						
	MW-4	↓	3:00	Grab	Water	10	X	X	X	X	X						
	Trip Blank	↓			Water	3		X									
	Extra				Water	10	X	X	X	X	X						
						33	<-- Total # of Containers										

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 8:03 5/25/07	Received By		Date/Time 8:03 5/25/07
Comments: Supplemental App II event for Assessment Purposes.		Relinquished By	Date/Time	Received By		Date/Time
		Relinquished By	Date/Time	Received By		Date/Time
		Cooler #'s & Temps on Receipt			Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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