ARM Group Inc.
Earth Resource Engineers and Consultants

July 25, 2007

Ms. Erica Shingara
Environmental Services Director
City of Gaithersburg
31 South Summit Avenue
Gaithersburg, MD 20877

RE: Groundwater Sample Results
Former Nike W-92 Site
Gaithersburg, Maryland
ARM Project M07125

Dear Ms. Shingara:

On July 12, 2007, ARM Group Inc. (ARM) mobilized to the former Nike W-92 site to resample the existing monitoring wells. Using low-flow sampling techniques, monitoring wells MW-2, MW-3 and MW-4 were purged and sampled.

Prior to purging any groundwater, the ARM geologist measured and recorded the depth to water in each of the three (3) wells using a water level indicator. Utilizing a 2-inch Grundfos pump, polyethylene tubing and a YSI field meter with a flow-through cell, each well was purged until the water quality parameters were stable. Once the groundwater had stabilized, the groundwater samples were collected into laboratory provided sample containers. Using a 0.45 micron in-line filter, each groundwater sample collected for metals was field filtered.

All groundwater samples, along with a Trip Blank, were submitted to Analytical Laboratory Services, Inc (ALSI) of Middletown, Pennsylvania. The samples were received by ALSI on July 13, 2007 and analyzed for VOCs, SVOCs, dissolved PPL Metals and Perchlorate. Additionally, the groundwater samples collected from MW-4 were also analyzed for TPH-GRO and TPH-DRO.

As seen in the laboratory report, included as **Attachment 1,** there were no detections of VOCs, SVOCs, PPL Metals or Perchlorate in monitoring wells MW-2 and MW-3. Monitoring well MW-4 did not have any detections of VOCs, SVOCs, Perchlorate, TPH-GRO or TPH-DRO. The only detection in MW-4 was zinc at a concentration of 0.04 mg/L, which is well below the Maryland Department of the Environment's Generic Numeric Cleanup Standard for groundwater of 1.1 mg/L.

8965 Guilford Road • Suite 100 • Columbia, MD • 21046
voice: (410) 290-7775 • fax: (410) 290-7776 • e-mail: info@armgroup.net

The results of the groundwater sampling and analysis indicate that there is no impact to the groundwater beneath the former Nike W-92 site. As such, ARM concludes that the monitoring wells will not be needed in the future, and that there is no reason to prevent the United States Army Corps of Engineers from proceeding with the abandonment of the wells.

In the event that you have any questions, or if you wish to discuss anything contained herein, please call me at 410-290-7775.

Respectfully submitted,

ARM Group Inc.

T. Neil Peters, P.E.
Vice President – Maryland Operations

Enclosure: Attachment 1

ANALYTICAL LABORATORY SERVICES, INC.

www.analyticallab.com

NELAP Accredited
PA 22-293 NJ PA010

ACCREDITED IN ACCORDANCE WITH nelac

34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

Project Name:	CITY OF GAITHERSBURG-NIKE	Workorder:	9693552
Purchase Order:	M07125	Workorder ID:	Groundwaters July 12, 2007

Mr. Eric Magdar
ARM Group, Inc. - MD
8965 Guilford Road
Suite 100
Columbia, MD 21046

July 25, 2007

Dear Mr. Magdar,

Enclosed are the analytical results for samples received by the laboratory on Friday, July 13, 2007

ALSI is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAC.

If you have any questions regarding this certificate of analysis, please contact Susan Baer (Project Coordinator) or Raymond J Martrano (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAC accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

Analytical Laboratory Services, Inc.

Raymond J. Martrano
Laboratory Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

ANALYTICAL LABORATORY SERVICES, INC.

www.analyticallab.com

NELAP Accredited
PA 22-293 NJ PA010

ACCREDITED IN ACCORDANCE WITH nelac

34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

SAMPLE SUMMARY

Workorder: 9693552 Groundwaters July 12, 2007

Discard Date: 08/08/2007

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9693552001	MW-2	Water	7/12/07 10:35	7/13/07 18:30	Eric Magdar
9693552002	MW-3	Water	7/12/07 11:45	7/13/07 18:30	Eric Magdar
9693552003	MW-4	Water	7/12/07 13:30	7/13/07 18:30	Eric Magdar
9693552004	Dup-1	Water	7/12/07 00:00	7/13/07 18:30	Eric Magdar
9693552005	Trip Blank	Water	7/13/07 18:30	7/13/07 18:30	Eric Magdar

Workorder Comments:

Notes

-- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Both flags indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552001** Date Collected: 7/12/2007 10:35 Matrix: Water

Sample ID: **MW-2** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Acetone	ND		ug/L	10.0	SW846 8260B			7/16/07 18:42	DXN	A	
Benzene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Bromoform	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Bromomethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
2-Butanone	ND		ug/L	10.0	SW846 8260B			7/16/07 18:42	DXN	A	
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Chloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Chloroform	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Chloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
2-Hexanone	ND		ug/L	5.0	SW846 8260B			7/16/07 18:42	DXN	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			7/16/07 18:42	DXN	A	
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Styrene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Toluene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Trichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
o-Xylene	ND		ug/L	1.0	SW846 8260B			7/16/07 18:42	DXN	A	
mp-Xylene	ND		ug/L	2.0	SW846 8260B			7/16/07 18:42	DXN	A	

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	82		%	62-133	SW846 8260B			7/16/07 18:42	DXN	A	
4-Bromofluorobenzene (S)	88		%	79-114	SW846 8260B			7/16/07 18:42	DXN	A	
Dibromofluoromethane (S)	89		%	78-116	SW846 8260B			7/16/07 18:42	DXN	A	
Toluene-d8 (S)	96		%	76-127	SW846 8260B			7/16/07 18:42	DXN	A	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: 9693552001 Date Collected: 7/12/2007 10:35 Matrix: Water
Sample ID: MW-2 Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
LIBRARY SEARCH - VOLATILES											
No TIC's Detected					Lib Search VOC			7/16/07 18:42	JHD	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Acenaphthylene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Carbazole	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
4-Chloroaniline	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2-Chlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Chrysene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
mp-Cresol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
o-Cresol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Dibenzofuran	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
1,2-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
1,3-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
1,4-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
3,3-Dichlorobenzidine	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Diethylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Dimethylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2,4-Dinitrophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2,6-Dinitrotoluene	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Fluorene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552001** Date Collected: 7/12/2007 10:35 Matrix: Water
Sample ID: **MW-2** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Hexachloroethane	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.9	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Isophorone	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2-Methyl-4,6-dinitrophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Naphthalene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
3-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
4-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Nitrobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2-Nitrophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
4-Nitrophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Pentachlorophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Phenanthrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Phenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Pyrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
1,2,4-Trichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
2,4,6-Tribromophenol (S)	90		%	40-125	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Phenol-d5 (S)	35		%	10-49	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Terphenyl-d14 (S)	92		%	27-136	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
Nitrobenzene-d5 (S)	88		%	31-110	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2-Fluorobiphenyl (S)	79		%	32-108	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
2-Fluorophenol (S)	54		%	20-70	SW846 8270C	7/16/07	EGO	7/19/07 16:43	TTR	D1	
LIBRARY SEARCH - SEMI-VOLATILE											
No TIC's Detected	.				Lib Search SV			7/19/07 16:43	TTR	D	
WET CHEMISTRY											
Perchlorate	ND		ug/L	4	EPA 314.0			7/17/07 04:06	MBW	I	
METALS											
Antimony, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Arsenic, Dissolved	ND		mg/L	0.010	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Beryllium, Dissolved	ND		mg/L	0.004	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Cadmium, Dissolved	ND		mg/L	0.002	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Chromium, Dissolved	ND		mg/L	0.005	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Copper, Dissolved	ND		mg/L	0.010	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Lead, Dissolved	ND		mg/L	0.006	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Mercury, Dissolved	ND		mg/L	0.0005	SW846 7470A	7/16/07	CMD	7/17/07 09:00	CMD	F	
Nickel, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552001** Date Collected: 7/12/2007 10:35 Matrix: Water

Sample ID: **MW-2** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
Selenium, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Silver, Dissolved	ND		mg/L	0.004	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Thallium, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	
Zinc, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:10	TED	F2	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: 9693552002 Date Collected: 7/12/2007 11:45 Matrix: Water

Sample ID: MW-3 Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Acetone	ND		ug/L	10.0	SW846 8260B			7/16/07 19:13	DXN	A	
Benzene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Bromoform	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Bromomethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
2-Butanone	ND		ug/L	10.0	SW846 8260B			7/16/07 19:13	DXN	A	
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Chloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Chloroform	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Chloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
2-Hexanone	ND		ug/L	5.0	SW846 8260B			7/16/07 19:13	DXN	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			7/16/07 19:13	DXN	A	
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Styrene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Toluene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Trichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
o-Xylene	ND		ug/L	1.0	SW846 8260B			7/16/07 19:13	DXN	A	
mp-Xylene	ND		ug/L	2.0	SW846 8260B			7/16/07 19:13	DXN	A	

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	80		%	62-133	SW846 8260B			7/16/07 19:13	DXN	A	
4-Bromofluorobenzene (S)	91		%	79-114	SW846 8260B			7/16/07 19:13	DXN	A	
Dibromofluoromethane (S)	92		%	78-116	SW846 8260B			7/16/07 19:13	DXN	A	
Toluene-d8 (S)	96		%	76-127	SW846 8260B			7/16/07 19:13	DXN	A	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552002** Date Collected: 7/12/2007 11:45 Matrix: Water
Sample ID: **MW-3.** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
LIBRARY SEARCH - VOLATILES											
No TIC's Detected					Lib Search VOC			7/16/07 19:13	JHD	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Acenaphthylene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Carbazole	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
4-Chloroaniline	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2-Chlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Chrysene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
mp-Cresol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
o-Cresol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Dibenzofuran	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
1,2-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
1,3-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
1,4-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
3,3-Dichlorobenzidine	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Diethylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Dimethylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2,4-Dinitrophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2,6-Dinitrotoluene	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Fluorene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552002** Date Collected: 7/12/2007 11:45 Matrix: Water
Sample ID: **MW-3** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Hexachloroethane	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.9	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Isophorone	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2-Methyl-4,6-dinitrophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Naphthalene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
3-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
4-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Nitrobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2-Nitrophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
4-Nitrophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Pentachlorophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Phenanthrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Phenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Pyrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
1,2,4-Trichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
2,4,6-Tribromophenol (S)	90		%	40-125	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2-Fluorobiphenyl (S)	81		%	32-108	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Terphenyl-d14 (S)	95		%	27-136	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Phenol-d5 (S)	36		%	10-49	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
Nitrobenzene-d5 (S)	90		%	31-110	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
2-Fluorophenol (S)	55		%	20-70	SW846 8270C	7/16/07	EGO	7/19/07 15:53	TTR	D1	
LIBRARY SEARCH - SEMI-VOLATILE											
No TIC's Detected					Lib Search SV			7/19/07 15:53	TTR	D	
WET CHEMISTRY											
Perchlorate	ND		ug/L	4	EPA 314.0			7/17/07 04:18	MBW	I	
METALS											
Antimony, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Arsenic, Dissolved	ND		mg/L	0.010	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Beryllium, Dissolved	ND		mg/L	0.004	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Cadmium, Dissolved	ND		mg/L	0.002	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Chromium, Dissolved	ND		mg/L	0.005	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Copper, Dissolved	ND		mg/L	0.010	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Lead, Dissolved	ND		mg/L	0.006	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Mercury, Dissolved	ND		mg/L	0.0005	SW846 7470A	7/16/07	CMD	7/17/07 09:04	CMD	F	
Nickel, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552002** Date Collected: 7/12/2007 11:45 Matrix: Water

Sample ID: **MW-3** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
Selenium, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Silver, Dissolved	ND		mg/L	0.004	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Thallium, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	
Zinc, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:24	TED	F2	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552003** Date Collected: 7/12/2007 13:30 Matrix: Water

Sample ID: **MW-4** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
PETROLEUM HC's											
Diesel Range Organics	ND	1	mg/L	0.038	SW846 8015M	7/17/07	DJB	7/18/07 23:25	KJH	H1	
Gasoline Range Organics	ND		ug/L	40.0	SW846 8015			7/18/07 15:36	TEH	C	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
o-Terphenyl (S)	83		%	40-117	SW846 8015M	7/17/07	DJB	7/18/07 23:25	KJH	H1	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
a,a,a-Trifluorotoluene (S)	116		%	68-117	SW846 8015			7/18/07 15:36	TEH	C	
VOLATILE ORGANICS											
Acetone	ND		ug/L	10.0	SW846 8260B			7/17/07 00:59	DXN	A	
Benzene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Bromoform	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Bromomethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
2-Butanone	ND		ug/L	10.0	SW846 8260B			7/17/07 00:59	DXN	A	
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Chloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Chloroform	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Chloromethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
2-Hexanone	ND		ug/L	5.0	SW846 8260B			7/17/07 00:59	DXN	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			7/17/07 00:59	DXN	A	
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Styrene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Toluene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552003** Date Collected: 7/12/2007 13:30 Matrix: Water
Sample ID: **MW-4** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
Trichloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
o-Xylene	ND		ug/L	1.0	SW846 8260B			7/17/07 00:59	DXN	A	
mp-Xylene	ND		ug/L	2.0	SW846 8260B			7/17/07 00:59	DXN	A	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	77		%	62-133	SW846 8260B			7/17/07 00:59	DXN	A	
Dibromofluoromethane (S)	78		%	78-116	SW846 8260B			7/17/07 00:59	DXN	A	
Toluene-d8 (S)	84		%	76-127	SW846 8260B			7/17/07 00:59	DXN	A	
4-Bromofluorobenzene (S)	86		%	79-114	SW846 8260B			7/17/07 00:59	DXN	A	
LIBRARY SEARCH - VOLATILES											
No TIC's Detected	.				Lib Search VOC			7/17/07 00:59	JHD	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Acenaphthylene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Carbazole	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
4-Chloroaniline	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2-Chlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Chrysene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
mp-Cresol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
o-Cresol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Dibenzofuran	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
1,2-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
1,3-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
1,4-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
3,3-Dichlorobenzidine	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Diethylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552003** Date Collected: 7/12/2007 13:30 Matrix: Water

Sample ID: **MW-4** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Dimethylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2,4-Dinitrophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2,6-Dinitrotoluene	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Fluorene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Hexachloroethane	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.9	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Isophorone	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2-Methyl-4,6-dinitrophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Naphthalene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
3-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
4-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Nitrobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2-Nitrophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
4-Nitrophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Pentachlorophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Phenanthrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Phenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Pyrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
1,2,4-Trichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
2,4,6-Tribromophenol (S)	80		%	40-125	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Terphenyl-d14 (S)	89		%	27-136	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Phenol-d5 (S)	27		%	10-49	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
Nitrobenzene-d5 (S)	71		%	31-110	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2-Fluorobiphenyl (S)	65		%	32-108	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
2-Fluorophenol (S)	42		%	20-70	SW846 8270C	7/16/07	EGO	7/19/07 15:04	TTR	F1	
LIBRARY SEARCH - SEMI-VOLATILE											
No TIC's Detected	.				Lib Search SV			7/19/07 15:04	TTR	F	
WET CHEMISTRY											
Perchlorate	ND		ug/L	4	EPA 314.0			7/17/07 04:30	MBW	J	

ANALYTICAL LABORATORY SERVICES, INC.

www.analyticallab.com

NELAP Accredited
PA 22-293 NJ PA010

ACCREDITED IN ACCORDANCE WITH nelac

34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552003** Date Collected: 7/12/2007 13:30 Matrix: Water

Sample ID: **MW-4** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
METALS											
Antimony, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Arsenic, Dissolved	ND		mg/L	0.010	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Beryllium, Dissolved	ND		mg/L	0.004	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Cadmium, Dissolved	ND		mg/L	0.002	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Chromium, Dissolved	ND		mg/L	0.005	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Copper, Dissolved	ND		mg/L	0.010	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Lead, Dissolved	ND		mg/L	0.006	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Mercury, Dissolved	ND		mg/L	0.0005	SW846 7470A	7/16/07	CMD	7/17/07 09:07	CMD	G	
Nickel, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Selenium, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Silver, Dissolved	ND		mg/L	0.004	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Thallium, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	
Zinc, Dissolved	0.04		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:28	TED	G2	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552004** Date Collected: 7/12/2007 00:00 Matrix: Water

Sample ID: **Dup-1** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Acetone	ND		ug/L	10.0	SW846 8260B			7/17/07 01:34	DXN	A	
Benzene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Bromoform	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Bromomethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
2-Butanone	ND		ug/L	10.0	SW846 8260B			7/17/07 01:34	DXN	A	
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Chloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Chloroform	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Chloromethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
2-Hexanone	ND		ug/L	5.0	SW846 8260B			7/17/07 01:34	DXN	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			7/17/07 01:34	DXN	A	
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Styrene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Toluene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Trichloroethene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
o-Xylene	ND		ug/L	1.0	SW846 8260B			7/17/07 01:34	DXN	A	
mp-Xylene	ND		ug/L	2.0	SW846 8260B			7/17/07 01:34	DXN	A	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	80		%	62-133	SW846 8260B			7/17/07 01:34	DXN	A	
Toluene-d8 (S)	85		%	76-127	SW846 8260B			7/17/07 01:34	DXN	A	
Dibromofluoromethane (S)	81		%	78-116	SW846 8260B			7/17/07 01:34	DXN	A	
4-Bromofluorobenzene (S)	88		%	79-114	SW846 8260B			7/17/07 01:34	DXN	A	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: 9693552004 Date Collected: 7/12/2007 00:00 Matrix: Water
Sample ID: Dup-1 Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
LIBRARY SEARCH - VOLATILES											
No TIC's Detected					Lib Search VOC			7/17/07 01:34	JHD	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Acenaphthylene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Carbazole	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
4-Chloroaniline	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2-Chlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Chrysene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
mp-Cresol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
o-Cresol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Dibenzofuran	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
1,2-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
1,3-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
1,4-Dichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
3,3-Dichlorobenzidine	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Diethylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Dimethylphthalate	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2,4-Dinitrophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2,6-Dinitrotoluene	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Fluoranthene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Fluorene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552004** Date Collected: 7/12/2007 00:00 Matrix: Water
Sample ID: **Dup-1** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Hexachloroethane	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.9	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Isophorone	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2-Methyl-4,6-dinitrophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Naphthalene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
3-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
4-Nitroaniline	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Nitrobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2-Nitrophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
4-Nitrophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Pentachlorophenol	ND		ug/L	15	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Phenanthrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Phenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Pyrene	ND		ug/L	1.4	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
1,2,4-Trichlorobenzene	ND		ug/L	2.8	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
2,4,6-Tribromophenol (S)	85		%	40-125	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Phenol-d5 (S)	32		%	10-49	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Terphenyl-d14 (S)	87		%	27-136	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
Nitrobenzene-d5 (S)	90		%	31-110	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2-Fluorobiphenyl (S)	79		%	32-108	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
2-Fluorophenol (S)	51		%	20-70	SW846 8270C	7/16/07	EGO	7/19/07 17:32	TTR	D1	
LIBRARY SEARCH - SEMI-VOLATILE											
No TIC's Detected					Lib Search SV			7/19/07 17:32	TTR	D	
WET CHEMISTRY											
Perchlorate	ND		ug/L	4	EPA 314.0			7/17/07 04:41	MBW	H	
METALS											
Antimony, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Arsenic, Dissolved	ND		mg/L	0.010	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Beryllium, Dissolved	ND		mg/L	0.004	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Cadmium, Dissolved	ND		mg/L	0.002	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Chromium, Dissolved	ND		mg/L	0.005	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Copper, Dissolved	ND		mg/L	0.010	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Lead, Dissolved	ND		mg/L	0.006	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Mercury, Dissolved	ND		mg/L	0.0005	SW846 7470A	7/16/07	CMD	7/17/07 09:11	CMD	F	
Nickel, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552004** Date Collected: 7/12/2007 00:00 Matrix: Water

Sample ID: **Dup-1** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
Selenium, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Silver, Dissolved	ND		mg/L	0.004	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Thallium, Dissolved	ND		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	
Zinc, Dissolved	0.04		mg/L	0.02	SW846 6010B	7/20/07	TED	7/20/07 03:33	TED	F2	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552005** Date Collected: 7/13/2007 18:30 Matrix: Water

Sample ID: **Trip Blank** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
VOLATILE ORGANICS											
Acetone	ND		ug/L	10.0	SW846 8260B			7/16/07 12:01	DXN	A	
Benzene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Bromochloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Bromoform	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Bromomethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
2-Butanone	ND		ug/L	10.0	SW846 8260B			7/16/07 12:01	DXN	A	
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Chloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Chloroform	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Chloromethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
2-Hexanone	ND		ug/L	5.0	SW846 8260B			7/16/07 12:01	DXN	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B			7/16/07 12:01	DXN	A	
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Styrene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Toluene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Total Xylenes	ND		ug/L	3.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Trichloroethene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
o-Xylene	ND		ug/L	1.0	SW846 8260B			7/16/07 12:01	DXN	A	
mp-Xylene	ND		ug/L	2.0	SW846 8260B			7/16/07 12:01	DXN	A	

Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*	*RegLmt*
1,2-Dichloroethane-d4 (S)	80		%	62-133	SW846 8260B			7/16/07 12:01	DXN	A	
4-Bromofluorobenzene (S)	92		%	79-114	SW846 8260B			7/16/07 12:01	DXN	A	
Dibromofluoromethane (S)	92		%	78-116	SW846 8260B			7/16/07 12:01	DXN	A	
Toluene-d8 (S)	96		%	76-127	SW846 8260B			7/16/07 12:01	DXN	A	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID: **9693552005** Date Collected: 7/13/2007 18:30 Matrix: Water
Sample ID: **Trip Blank** Date Received: 7/13/2007 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr	RegLmt
LIBRARY SEARCH - VOLATILES											
No TIC's Detected					Lib Search VOC			7/16/07 12:01	JHD	A	

Sample Comments:

Raymond J. Martrano
Laboratory Manager

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9693552 Groundwaters July 12, 2007

PARAMETER QUALIFIERS\FLAGS

[1] The DRO value reported is for petroleum hydrocarbons eluting between n-C10 and n-C28.

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

QC Batch: VOGC/5921 Analysis Method: SW846 8015
QC Batch Method: SW846 8015
Associated Lab Samples: 9693552003

METHOD BLANK: 381447

Parameter	Result	Qualifiers	Units	Reporting Limit
Gasoline Range Organics	ND		ug/L	40.0
Surrogate Recoveries				
a,a,a-Trifluorotoluene	116		%	68-117

LABORATORY CONTROL SAMPLE: 381448

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Gasoline Range Organics	1070		ug/L	1000	107	68-135
Surrogate Recoveries						
a,a,a-Trifluorotoluene			%		117	68-117

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 381449 381450 Original: 9693489002

*****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.*

Parameter	Original Result	Qualifiers	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	0		ug/L	1000	1160	1150	116	115	68-135	0.9	15
Surrogate Recoveries											
a,a,a-Trifluorotoluene			%				116	112	68-117	3.5	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

QC Batch: VOMS/8769 Analysis Method: SW846 8260B

QC Batch Method: SW846 8260B

Associated Lab Samples: 9693552001 9693552002 9693552005

METHOD BLANK: 380635

Parameter	Result	Qualifiers	Units	Reporting Limit
Acetone	ND		ug/L	10.0
Benzene	ND		ug/L	1.0
Bromochloromethane	ND		ug/L	1.0
Bromodichloromethane	ND		ug/L	1.0
Bromoform	ND		ug/L	1.0
Bromomethane	ND		ug/L	1.0
2-Butanone	ND		ug/L	10.0
Carbon Disulfide	ND		ug/L	1.0
Carbon Tetrachloride	ND		ug/L	1.0
Chlorobenzene	ND		ug/L	1.0
Chlorodibromomethane	ND		ug/L	1.0
Chloroethane	ND		ug/L	1.0
Chloroform	ND		ug/L	1.0
Chloromethane	ND		ug/L	1.0
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0
1,2-Dibromoethane	ND		ug/L	1.0
1,1-Dichloroethane	ND		ug/L	1.0
1,2-Dichloroethane	ND		ug/L	1.0
1,1-Dichloroethene	ND		ug/L	1.0
cis-1,2-Dichloroethene	ND		ug/L	1.0
trans-1,2-Dichloroethene	ND		ug/L	1.0
1,2-Dichloropropane	ND		ug/L	1.0
cis-1,3-Dichloropropene	ND		ug/L	1.0
trans-1,3-Dichloropropene	ND		ug/L	1.0
Ethylbenzene	ND		ug/L	1.0
2-Hexanone	ND		ug/L	5.0
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0
Methylene Chloride	ND		ug/L	1.0
Styrene	ND		ug/L	1.0
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0
Tetrachloroethene	ND		ug/L	1.0
Toluene	ND		ug/L	1.0
Total Xylenes	ND		ug/L	3.0
1,1,1-Trichloroethane	ND		ug/L	1.0
1,1,2-Trichloroethane	ND		ug/L	1.0
Trichloroethene	ND		ug/L	1.0
Vinyl Chloride	ND		ug/L	1.0
o-Xylene	ND		ug/L	1.0
mp-Xylene	ND		ug/L	2.0
Surrogate Recoveries				
4-Bromofluorobenzene	89		%	79-114
Dibromofluoromethane	88		%	78-116

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

METHOD BLANK: 380635

Parameter	Result	Qualifiers	Units	Reporting Limit
1,2-Dichloroethane-d4	79		%	62-133
Toluene-d8	98		%	76-127

LABORATORY CONTROL SAMPLE: 380636

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Acetone	101		ug/L	100	101	40-151
Benzene	21.3		ug/L	20	106	80-124
Bromochloromethane	22.7		ug/L	20	113	73-117
Bromodichloromethane	17.8		ug/L	20	89	79-126
Bromoform	18.8		ug/L	20	94	70-123
Bromomethane	20.4		ug/L	20	102	45-148
2-Butanone	89.3		ug/L	100	89	50-152
Carbon Disulfide	20.8		ug/L	20	104	57-131
Carbon Tetrachloride	16.7		ug/L	20	83	62-132
Chlorobenzene	20.5		ug/L	20	103	85-117
Chlorodibromomethane	18.3		ug/L	20	92	77-122
Chloroethane	19.5		ug/L	20	98	51-142
Chloroform	17.9		ug/L	20	90	78-122
Chloromethane	18.0		ug/L	20	90	38-156
1,2-Dibromo-3-chloropropane	16.5		ug/L	20	82	59-133
1,2-Dibromoethane	20.0		ug/L	20	100	80-124
1,1-Dichloroethane	21.3		ug/L	20	106	78-124
1,2-Dichloroethane	16.3		ug/L	20	82	70-133
1,1-Dichloroethene	19.7		ug/L	20	99	63-128
cis-1,2-Dichloroethene	19.5		ug/L	20	98	78-125
trans-1,2-Dichloroethene	19.7		ug/L	20	99	71-122
1,2-Dichloropropane	22.0		ug/L	20	110	81-127
cis-1,3-Dichloropropene	20.1		ug/L	20	100	81-121
trans-1,3-Dichloropropene	18.5		ug/L	20	92	78-126
Ethylbenzene	20.0		ug/L	20	100	80-124
2-Hexanone	105		ug/L	100	105	65-154
4-Methyl-2-Pentanone(MIBK)	113		ug/L	100	113	71-146
Methylene Chloride	20.3		ug/L	20	101	76-121
Styrene	22.2		ug/L	20	111	79-123
1,1,2,2-Tetrachloroethane	21.3		ug/L	20	106	74-135
Tetrachloroethene	19.7		ug/L	20	99	72-124
Toluene	20.7		ug/L	20	104	80-125
Total Xylenes	61.2		ug/L	60	102	79-125
1,1,1-Trichloroethane	16.7		ug/L	20	84	66-130
1,1,2-Trichloroethane	20.5		ug/L	20	102	82-126
Trichloroethene	19.1		ug/L	20	96	77-124
Vinyl Chloride	21.3		ug/L	20	107	27-138
o-Xylene	20.4		ug/L	20	102	79-124
mp-Xylene	40.8		ug/L	40	102	79-125

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

LABORATORY CONTROL SAMPLE: 380636

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Surrogate Recoveries						
4-Bromofluorobenzene			%		92	79-114
Dibromofluoromethane			%		94	78-116
1,2-Dichloroethane-d4			%		80	62-133
Toluene-d8			%		101	76-127

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 380675 380676 Original: 9692530001

*****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.*

Parameter	Original Result	Qualifiers	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Acetone			ug/L		4580	4670					
Benzene	0		ug/L	400	512	502	106	104	80-124	1.9	26
Bromochloromethane			ug/L		539	578					
Bromodichloromethane			ug/L		415	423					
Bromoform			ug/L		411	444					
Bromomethane			ug/L		509	530					
2-Butanone	0		ug/L	2000	1930	2160	80	90	50-152	12	16
Carbon Disulfide			ug/L		488	482					
Carbon Tetrachloride	0		ug/L	400	432	412	90	85	62-132	5.7	17
Chlorobenzene	0		ug/L	400	509	504	106	104	85-117	1.9	15
Chlorodibromomethane			ug/L		421	434					
Chloroethane			ug/L		487	478					
Chloroform	0		ug/L	400	429	435	89	90	78-122	1.1	16
Chloromethane			ug/L		453	464					
1,2-Dibromo-3-chloropropane			ug/L		360	376					
1,2-Dibromoethane			ug/L		466	462					
1,1-Dichloroethane			ug/L		474	480					
1,2-Dichloroethane	0		ug/L	400	395	393	82	82	70-133	0	19
1,1-Dichloroethene	0		ug/L	400	483	458	100	95	63-128	5.1	21
cis-1,2-Dichloroethene			ug/L		457	448					
trans-1,2-Dichloroethene			ug/L		472	463					
1,2-Dichloropropane			ug/L		521	520					
cis-1,3-Dichloropropene			ug/L		476	455					
trans-1,3-Dichloropropene			ug/L		428	420					
Ethylbenzene			ug/L		497	496					
2-Hexanone			ug/L		2260	2270					
4-Methyl-2-Pentanone(MIBK)			ug/L		2470	2440					
Methylene Chloride			ug/L		535	521					
Styrene			ug/L		493	527					
1,1,2,2-Tetrachloroethane			ug/L		458	493					
Tetrachloroethene	0		ug/L	400	485	481	101	100	72-124	1	38
Toluene			ug/L		481	481					
Total Xylenes			ug/L		1530	1500					
1,1,1-Trichloroethane			ug/L		429	424					

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 380675 380676 Original: 9692530001

*****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.*

Parameter	Original Result	Qualifiers	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
1,1,2-Trichloroethane			ug/L		457	454					
Trichloroethene	0		ug/L	400	486	482	101	100	77-124	1	18
Vinyl Chloride	0		ug/L	400	527	562	109	117	27-138	7.1	40
o-Xylene			ug/L		498	494					
mp-Xylene			ug/L		1030	1000					
Surrogate Recoveries											
4-Bromofluorobenzene			%				87	94	79-114	7.7	
Dibromofluoromethane			%				90	94	78-116	4.3	
1,2-Dichloroethane-d4			%				78	79	62-133	1.3	
Toluene-d8			%				96	95	76-127	1	

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

QC Batch: VOMS/8773 Analysis Method: SW846 8260B

QC Batch Method: SW846 8260B

Associated Lab Samples: 9693552003 9693552004

METHOD BLANK: 380685

Parameter	Result	Qualifiers	Units	Reporting Limit
Acetone	ND		ug/L	10.0
Benzene	ND		ug/L	1.0
Bromochloromethane	ND		ug/L	1.0
Bromodichloromethane	ND		ug/L	1.0
Bromoform	ND		ug/L	1.0
Bromomethane	ND		ug/L	1.0
2-Butanone	ND		ug/L	10.0
Carbon Disulfide	ND		ug/L	1.0
Carbon Tetrachloride	ND		ug/L	1.0
Chlorobenzene	ND		ug/L	1.0
Chlorodibromomethane	ND		ug/L	1.0
Chloroethane	ND		ug/L	1.0
Chloroform	ND		ug/L	1.0
Chloromethane	ND		ug/L	1.0
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0
1,2-Dibromoethane	ND		ug/L	1.0
1,1-Dichloroethane	ND		ug/L	1.0
1,2-Dichloroethane	ND		ug/L	1.0
1,1-Dichloroethene	ND		ug/L	1.0
cis-1,2-Dichloroethene	ND		ug/L	1.0
trans-1,2-Dichloroethene	ND		ug/L	1.0
1,2-Dichloropropane	ND		ug/L	1.0
cis-1,3-Dichloropropene	ND		ug/L	1.0
trans-1,3-Dichloropropene	ND		ug/L	1.0
Ethylbenzene	ND		ug/L	1.0
2-Hexanone	ND		ug/L	5.0
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0
Methylene Chloride	ND		ug/L	1.0
Styrene	ND		ug/L	1.0
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0
Tetrachloroethene	ND		ug/L	1.0
Toluene	ND		ug/L	1.0
Total Xylenes	ND		ug/L	3.0
1,1,1-Trichloroethane	ND		ug/L	1.0
1,1,2-Trichloroethane	ND		ug/L	1.0
Trichloroethene	ND		ug/L	1.0
Vinyl Chloride	ND		ug/L	1.0
o-Xylene	ND		ug/L	1.0
mp-Xylene	ND		ug/L	2.0
Surrogate Recoveries				
4-Bromofluorobenzene	84		%	79-114
Dibromofluoromethane	76	2	%	78-116

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

METHOD BLANK: 380685

Parameter	Result	Qualifiers	Units	Reporting Limit
1,2-Dichloroethane-d4	77		%	62-133
Toluene-d8	83		%	76-127

LABORATORY CONTROL SAMPLE: 380686

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Acetone	95.2		ug/L	100	95	40-151
Benzene	19.6		ug/L	20	98	80-124
Bromochloromethane	19.8		ug/L	20	99	73-117
Bromodichloromethane	20.2		ug/L	20	101	79-126
Bromoform	19.6		ug/L	20	98	70-123
Bromomethane	19.1		ug/L	20	95	45-148
2-Butanone	95.2		ug/L	100	95	50-152
Carbon Disulfide	18.6		ug/L	20	93	57-131
Carbon Tetrachloride	20.1		ug/L	20	100	62-132
Chlorobenzene	19.7		ug/L	20	99	85-117
Chlorodibromomethane	20.0		ug/L	20	100	77-122
Chloroethane	18.3		ug/L	20	91	51-142
Chloroform	19.7		ug/L	20	99	78-122
Chloromethane	18.4		ug/L	20	92	38-156
1,2-Dibromo-3-chloropropane	20.3		ug/L	20	102	59-133
1,2-Dibromoethane	19.9		ug/L	20	99	80-124
1,1-Dichloroethane	20.1		ug/L	20	100	78-124
1,2-Dichloroethane	20.3		ug/L	20	101	70-133
1,1-Dichloroethene	20.0		ug/L	20	100	63-128
cis-1,2-Dichloroethene	20.4		ug/L	20	102	78-125
trans-1,2-Dichloroethene	20.1		ug/L	20	101	71-122
1,2-Dichloropropane	20.1		ug/L	20	100	81-127
cis-1,3-Dichloropropene	19.9		ug/L	20	100	81-121
trans-1,3-Dichloropropene	19.9		ug/L	20	100	78-126
Ethylbenzene	19.5		ug/L	20	98	80-124
2-Hexanone	100		ug/L	100	100	65-154
4-Methyl-2-Pentanone(MIBK)	103		ug/L	100	103	71-146
Methylene Chloride	21.1		ug/L	20	106	76-121
Styrene	19.6		ug/L	20	98	79-123
1,1,2,2-Tetrachloroethane	19.3		ug/L	20	96	74-135
Tetrachloroethene	19.7		ug/L	20	99	72-124
Toluene	19.7		ug/L	20	99	80-125
Total Xylenes	57.8		ug/L	60	96	79-125
1,1,1-Trichloroethane	20.1		ug/L	20	100	66-130
1,1,2-Trichloroethane	20.2		ug/L	20	101	82-126
Trichloroethene	21.8		ug/L	20	109	77-124
Vinyl Chloride	6.5		ug/L	20	32	27-138
o-Xylene	19.5		ug/L	20	97	79-124
mp-Xylene	38.3		ug/L	40	96	79-125

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Daywood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

LABORATORY CONTROL SAMPLE: 380686

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Surrogate Recoveries						
4-Bromofluorobenzene			%		86	79-114
Dibromofluoromethane			%		78	78-116
1,2-Dichloroethane-d4			%		76	62-133
Toluene-d8			%		79	76-127

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

QC Batch: EXTR/10939 Analysis Method: SW846 8270C

QC Batch Method: SW846 3510C

Associated Lab Samples: 9693010001 9693552001 9693552002 9693552003 9693552004

METHOD BLANK: 380579

Parameter	Result	Qualifiers	Units	Reporting Limit
Acenaphthene	ND		ug/L	1.5
Acenaphthylene	ND		ug/L	1.5
Anthracene	ND		ug/L	1.5
Benzo(a)anthracene	ND		ug/L	1.5
Benzo(a)pyrene	ND		ug/L	1.5
Benzo(b)fluoranthene	ND		ug/L	1.5
Benzo(g,h,i)perylene	ND		ug/L	1.5
Benzo(k)fluoranthene	ND		ug/L	1.5
4-Bromophenyl-phenylether	ND		ug/L	3.0
Butylbenzylphthalate	ND		ug/L	3.0
Carbazole	ND		ug/L	3.0
4-Chloro-3-methylphenol	ND		ug/L	8.0
4-Chloroaniline	ND		ug/L	3.0
Bis(2-Chloroethoxy)methane	ND		ug/L	3.0
Bis(2-Chloroethyl)ether	ND		ug/L	3.0
bis(2-Chloroisopropyl)ether	ND		ug/L	3.0
2-Chloronaphthalene	ND		ug/L	3.0
2-Chlorophenol	ND		ug/L	8.0
4-Chlorophenyl-phenylether	ND		ug/L	3.0
Chrysene	ND		ug/L	1.5
mp-Cresol	ND		ug/L	8.0
o-Cresol	ND		ug/L	8.0
Dibenzo(a,h)anthracene	ND		ug/L	1.5
Dibenzofuran	ND		ug/L	3.0
Di-n-Butylphthalate	ND		ug/L	3.0
1,2-Dichlorobenzene	ND		ug/L	3.0
1,3-Dichlorobenzene	ND		ug/L	3.0
1,4-Dichlorobenzene	ND		ug/L	3.0
3,3-Dichlorobenzidine	ND		ug/L	8.0
2,4-Dichlorophenol	ND		ug/L	8.0
Diethylphthalate	ND		ug/L	8.0
2,4-Dimethylphenol	ND		ug/L	8.0
Dimethylphthalate	ND		ug/L	8.0
2,4-Dinitrophenol	ND		ug/L	16
2,4-Dinitrotoluene	ND		ug/L	3.0
2,6-Dinitrotoluene	ND		ug/L	8.0
Di-n-Octylphthalate	ND		ug/L	8.0
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.0
Fluoranthene	ND		ug/L	1.5
Fluorene	ND		ug/L	1.5
Hexachlorobenzene	ND		ug/L	3.0
Hexachlorobutadiene	ND		ug/L	3.0
Hexachlorocyclopentadiene	ND		ug/L	8.0

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

METHOD BLANK: 380579

Parameter	Result	Qualifiers	Units	Reporting Limit
Hexachloroethane	ND		ug/L	3.0
Indeno(1,2,3-cd)pyrene	ND		ug/L	2.0
Isophorone	ND		ug/L	3.0
2-Methyl-4,6-dinitrophenol	ND		ug/L	16
2-Methylnaphthalene	ND		ug/L	1.5
Naphthalene	ND		ug/L	1.5
2-Nitroaniline	ND		ug/L	8.0
3-Nitroaniline	ND		ug/L	8.0
4-Nitroaniline	ND		ug/L	8.0
Nitrobenzene	ND		ug/L	3.0
2-Nitrophenol	ND		ug/L	8.0
4-Nitrophenol	ND		ug/L	8.0
N-Nitroso-di-n-propylamine	ND		ug/L	3.0
N-Nitrosodiphenylamine	ND		ug/L	3.0
Pentachlorophenol	ND		ug/L	16
Phenanthrene	ND		ug/L	1.5
Phenol	ND		ug/L	8.0
Pyrene	ND		ug/L	1.5
1,2,4-Trichlorobenzene	ND		ug/L	3.0
2,4,5-Trichlorophenol	ND		ug/L	8.0
2,4,6-Trichlorophenol	ND		ug/L	8.0
Surrogate Recoveries				
2-Fluorobiphenyl	86		%	32-108
2-Fluorophenol	56		%	20-70
Nitrobenzene-d5	86		%	31-110
Phenol-d5	38		%	10-49
Terphenyl-d14	92		%	27-136
2,4,6-Tribromophenol	85		%	40-125

LABORATORY CONTROL SAMPLE: 380581

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Acenaphthene	83		ug/L	100	83	54-106
Acenaphthylene	89		ug/L	100	89	54-105
Anthracene	95		ug/L	100	95	62-110
Benzo(a)anthracene	86		ug/L	100	86	63-110
Benzo(a)pyrene	89		ug/L	100	89	66-117
Benzo(b)fluoranthene	92		ug/L	100	92	65-120
Benzo(g,h,i)perylene	80		ug/L	100	80	45-125
Benzo(k)fluoranthene	89		ug/L	100	89	60-119
4-Bromophenyl-phenylether	83		ug/L	100	83	58-101
Butylbenzylphthalate	101		ug/L	100	101	62-130
Carbazole	99		ug/L	100	99	65-115
4-Chloro-3-methylphenol	92		ug/L	100	92	54-110
4-Chloroaniline	84		ug/L	100	84	49-107

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

LABORATORY CONTROL SAMPLE: 380581

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Bis(2-Chloroethoxy)methane	87		ug/L	100	87	47-105
Bis(2-Chloroethyl)ether	89		ug/L	100	89	47-106
bis(2-Chloroisopropyl)ether	84		ug/L	100	84	45-107
2-Chloronaphthalene	83		ug/L	100	83	50-101
2-Chlorophenol	90		ug/L	100	90	52-104
4-Chlorophenyl-phenylether	87		ug/L	100	87	52-110
Chrysene	86		ug/L	100	86	64-110
mp-Cresol	75		ug/L	100	75	43-102
o-Cresol	80		ug/L	100	80	46-100
Dibenzo(a,h)anthracene	103		ug/L	100	103	56-125
Dibenzofuran	88		ug/L	100	88	59-104
Di-n-Butylphthalate	91		ug/L	100	91	64-115
1,2-Dichlorobenzene	78		ug/L	100	78	42-87
1,3-Dichlorobenzene	71		ug/L	100	71	36-82
1,4-Dichlorobenzene	74		ug/L	100	74	33-85
3,3-Dichlorobenzidine	77		ug/L	100	77	51-126
2,4-Dichlorophenol	92		ug/L	100	92	51-104
Diethylphthalate	90		ug/L	100	90	61-116
2,4-Dimethylphenol	73		ug/L	100	73	52-108
Dimethylphthalate	95		ug/L	100	95	63-112
2,4-Dinitrophenol	98		ug/L	100	98	21-132
2,4-Dinitrotoluene	97		ug/L	100	97	67-124
2,6-Dinitrotoluene	95		ug/L	100	95	65-119
Di-n-Octylphthalate	94		ug/L	100	94	56-131
bis(2-Ethylhexyl)phthalate	86		ug/L	100	86	60-125
Fluoranthene	95		ug/L	100	95	67-115
Fluorene	87		ug/L	100	87	57-106
Hexachlorobenzene	93		ug/L	100	93	64-110
Hexachlorobutadiene	67		ug/L	100	67	25-84
Hexachlorocyclopentadiene	65		ug/L	100	65	19-95
Hexachloroethane	67		ug/L	100	67	30-76
Indeno(1,2,3-cd)pyrene	101		ug/L	100	101	53-125
Isophorone	89		ug/L	100	89	55-109
2-Methyl-4,6-dinitrophenol	104		ug/L	100	104	50-130
2-Methylnaphthalene	79		ug/L	100	79	46-96
Naphthalene	80		ug/L	100	80	42-96
2-Nitroaniline	102		ug/L	100	102	62-115
3-Nitroaniline	91		ug/L	100	91	64-125
4-Nitroaniline	101		ug/L	100	101	63-140
Nitrobenzene	80		ug/L	100	80	49-102
2-Nitrophenol	92		ug/L	100	92	51-107
4-Nitrophenol	45		ug/L	100	45	13-63
N-Nitroso-di-n-propylamine	81		ug/L	100	81	50-111
N-Nitrosodiphenylamine	94		ug/L	100	94	61-109
Pentachlorophenol	118		ug/L	100	118	62-150
Phenanthrene	93		ug/L	100	93	60-111
Phenol	46		ug/L	100	46	21-54

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

LABORATORY CONTROL SAMPLE: 380581

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Pyrene	89		ug/L	100	89	55-120
1,2,4-Trichlorobenzene	73		ug/L	100	73	37-84
2,4,5-Trichlorophenol	102		ug/L	100	102	61-110
2,4,6-Trichlorophenol	93		ug/L	100	93	59-110
Surrogate Recoveries						
2-Fluorobiphenyl			%		84	32-108
2-Fluorophenol			%		59	20-70
Nitrobenzene-d5			%		91	31-110
Phenol-d5			%		38	10-49
Terphenyl-d14			%		100	27-136
2,4,6-Tribromophenol			%		100	40-125

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 380583 380584 Original: 9692752004

*****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.*

Parameter	Original Result	Qualifiers	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
mp-Cresol	21		ug/L	2000	1660	1660	82	82	43-102	0	24
o-Cresol	0		ug/L	2000	1760	1710	88	86	46-100	2.3	27
1,4-Dichlorobenzene	0		ug/L	2000	1350	1400	68	70	33-85	2.9	30
2,4-Dinitrotoluene	0		ug/L	2000	2140	2000	107	100	67-124	6.8	24
Hexachlorobenzene	0		ug/L	2000	1950	1890	97	95	64-110	2.1	23
Hexachlorobutadiene	0		ug/L	2000	1260	1310	63	66	25-84	4.7	30
Hexachloroethane	0		ug/L	2000	1230	1250	61	62	30-76	1.6	30
Nitrobenzene	0		ug/L	2000	1850	1810	93	90	49-102	3.3	25
Pentachlorophenol	0		ug/L	2000	2310	2250	116	113	62-150	2.6	30
2,4,5-Trichlorophenol	0		ug/L	2000	1960	1920	98	96	61-110	2.1	30
2,4,6-Trichlorophenol	0		ug/L	2000	1910	1870	96	93	59-110	3.2	23
Surrogate Recoveries											
2-Fluorobiphenyl			%				85	89	32-108	4.6	30
2-Fluorophenol			%				63	63	20-70	0	30
Nitrobenzene-d5			%				100	100	31-110	0	30
Phenol-d5			%				39	40	10-49	2.5	30
Terphenyl-d14			%				109	103	27-136	5.7	30
2,4,6-Tribromophenol			%				105	102	40-125	2.9	30

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

QC Batch: EXTR/10950 Analysis Method: SW846 8015M
QC Batch Method: SW846 3510C
Associated Lab Samples: 9693552003

METHOD BLANK: 381080

Parameter	Result	Qualifiers	Units	Reporting Limit
Diesel Range Organics	ND		mg/L	0.040
Surrogate Recoveries				
o-Terphenyl	87		%	40-117

LABORATORY CONTROL SAMPLE: 381081

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Diesel Range Organics	0.44		mg/L	0.5	88	57-118
Surrogate Recoveries						
o-Terphenyl			%		88	40-117

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane • Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

QC Batch: MDIG/15490 Analysis Method: SW846 6010B

QC Batch Method: 6010B/ACID

Associated Lab Samples: 9693552001 9693552002 9693552003 9693552004

METHOD BLANK: 382042

Parameter	Result	Qualifiers	Units	Reporting Limit
Antimony, Dissolved	ND		mg/L	0.02
Arsenic, Dissolved	ND		mg/L	0.010
Beryllium, Dissolved	ND		mg/L	0.004
Cadmium, Dissolved	ND		mg/L	0.002
Chromium, Dissolved	ND		mg/L	0.005
Copper, Dissolved	ND		mg/L	0.010
Lead, Dissolved	ND		mg/L	0.006
Nickel, Dissolved	ND		mg/L	0.02
Selenium, Dissolved	ND		mg/L	0.02
Silver, Dissolved	ND		mg/L	0.004
Thallium, Dissolved	ND		mg/L	0.02
Zinc, Dissolved	ND		mg/L	0.02

LABORATORY CONTROL SAMPLE: 382043

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Antimony, Dissolved	0.20		mg/L	0.2	102	80-120
Arsenic, Dissolved	0.105		mg/L	0.1	105	80-120
Beryllium, Dissolved	0.199		mg/L	0.2	99	80-120
Cadmium, Dissolved	0.099		mg/L	0.1	99	80-120
Chromium, Dissolved	0.10		mg/L	0.1	100	80-120
Copper, Dissolved	0.998		mg/L	1	100	80-120
Lead, Dissolved	0.098		mg/L	0.1	98	80-120
Nickel, Dissolved	1.01		mg/L	1	101	80-120
Selenium, Dissolved	1.0		mg/L	1	100	80-120
Silver, Dissolved	0.098		mg/L	0.1	98	80-120
Thallium, Dissolved	0.1		mg/L	0.1	96	80-120
Zinc, Dissolved	0.50		mg/L	0.5	101	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 382044 382045 Original: 9693552001

*****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.*

Parameter	Original Result	Qualifiers	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Antimony, Dissolved	-0.004		mg/L	0.2	0.21	0.21	106	105	75-125	0.9	20
Arsenic, Dissolved	0.0007		mg/L	0.1	0.10	0.101	99	100	75-125	1	20
Beryllium, Dissolved	-0.0001		mg/L	0.2	0.201	0.202	101	101	75-125	0	20
Cadmium, Dissolved	-0.0004		mg/L	0.1	0.099	0.10	100	100	75-125	0	20
Chromium, Dissolved	0.002		mg/L	0.1	0.102	0.103	100	102	75-125	2	20
Copper, Dissolved	0.003		mg/L	1	1.00	1.01	100	101	75-125	1	20
Lead, Dissolved	0		mg/L	0.1	0.099	0.098	99	98	75-125	1	20

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 382044 382045 Original: 9693552001

*****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.*

Parameter	Original Result	Qualifiers	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Nickel, Dissolved	0.008		mg/L	1	1.01	1.02	101	101	75-125	0	20
Selenium, Dissolved	0.008		mg/L	1	1.01	1.01	100	100	75-125	0	20
Silver, Dissolved	0.0001		mg/L	0.1	0.098	0.098	98	98	75-125	0	20
Thallium, Dissolved	0.003		mg/L	0.1	0.10	0.10	100	98	75-125	2	20
Zinc, Dissolved	0.02		mg/L	0.5	0.51	0.52	100	100	75-125	0	20

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA

Workorder: 9693552 Groundwaters July 12, 2007

QC Batch: WETC/43404 Analysis Method: EPA 314.0
QC Batch Method: EPA 314.0
Associated Lab Samples: 9693552001 9693552002 9693552003 9693552004

METHOD BLANK: 380849

Parameter	Result	Qualifiers	Units	Reporting Limit
Perchlorate	ND		ug/L	4

LABORATORY CONTROL SAMPLE: 380850

Parameter	LCS Result	Qualifiers	Units	Spike Conc.	LCS % Rec	% Rec Limits
Perchlorate	26		ug/L	25	102	85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 380851 380852 Original: 9693552004

*****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.*

Parameter	Original Result	Qualifiers	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Perchlorate	0		ug/L	25	26	26	105	103	80-120	1.9	15

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA QUALIFIERS\FLAGS

Workorder: 9693552 Groundwaters July 12, 2007

QUALITY CONTROL PARAMETER QUALIFIERS

[2] The surrogate recovery was outside of the established control limits.

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH nelac
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 9693552 Groundwaters July 12, 2007

Lab ID	Sample ID	Prep Batch Method	Prep Batch	Analytical Method	Analytical Batch
9693552003	MW-4			SW846 8015	VOGC/5921
9693552001	MW-2	SW846 3510C	EXTR/10939	SW846 8270C	SVMS/7004
9693552002	MW-3	SW846 3510C	EXTR/10939	SW846 8270C	SVMS/7004
9693552003	MW-4	SW846 3510C	EXTR/10939	SW846 8270C	SVMS/7004
9693552004	Dup-1	SW846 3510C	EXTR/10939	SW846 8270C	SVMS/7004
9693552001	MW-2			Lib Search SV	SVMS/7008
9693552002	MW-3			Lib Search SV	SVMS/7008
9693552003	MW-4			Lib Search SV	SVMS/7008
9693552004	Dup-1			Lib Search SV	SVMS/7008
9693552001	MW-2			SW846 8260B	VOMS/8769
9693552002	MW-3			SW846 8260B	VOMS/8769
9693552005	Trip Blank			SW846 8260B	VOMS/8769
9693552003	MW-4			Lib Search VOC	VOMS/8770
9693552004	Dup-1			Lib Search VOC	VOMS/8770
9693552003	MW-4			SW846 8260B	VOMS/8773
9693552004	Dup-1			SW846 8260B	VOMS/8773
9693552001	MW-2			Lib Search VOC	VOMS/8806
9693552002	MW-3			Lib Search VOC	VOMS/8806
9693552005	Trip Blank			Lib Search VOC	VOMS/8806
9693552003	MW-4	SW846 3510C	EXTR/10950	SW846 8015M	SVGC/9365
9693552001	MW-2	SW846 7470A	MDIG/15470	SW846 7470A	META/17578
9693552002	MW-3	SW846 7470A	MDIG/15470	SW846 7470A	META/17578
9693552003	MW-4	SW846 7470A	MDIG/15470	SW846 7470A	META/17578
9693552004	Dup-1	SW846 7470A	MDIG/15470	SW846 7470A	META/17578
9693552001	MW-2	6010B/ACID	MDIG/15490	SW846 6010B	META/17593
9693552002	MW-3	6010B/ACID	MDIG/15490	SW846 6010B	META/17593
9693552003	MW-4	6010B/ACID	MDIG/15490	SW846 6010B	META/17593
9693552004	Dup-1	6010B/ACID	MDIG/15490	SW846 6010B	META/17593
9693552001	MW-2			EPA 314.0	WETC/43404
9693552002	MW-3			EPA 314.0	WETC/43404
9693552003	MW-4			EPA 314.0	WETC/43404
9693552004	Dup-1			EPA 314.0	WETC/43404

ANALYTICAL LABORATORY SERVICES, INC.
www.analyticallab.com
NELAP Accredited
PA 22-293 NJ PA010
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

FAX COPY

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Analytical Laboratory Services, Inc.
Environmental • Middletown PA 17057 • 717-944-5541 • Fax: 717-944-1430

Client Name: ARM GROUP
Address: Columbia, MD
Contact: Eric Mosder
Phone#: 410 290 7775
Project Name#: Mike Gaithersburg MD7125
Bill To:
TAT: ☒ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.
Date Required: Choose a Approved By: 5 Day TAT
Email? ☒ Y
Fax? ☐ Y No: Scott Arm 717-

Sample Description/Location (will appear on data report)	Sample Date	Time	Matrix	# of Containers	Container Type	Container ID	Preservative	VOC - 8260	SVOC - 8270	Pesticides	PPL Metals	GRO	DRO			
1 MW-2	7/12/07	1035	GW	3	VOA	40ml	HCl	1								
2 MW-3		1145		3	AMBER	1L	—	1								
3 MW-4		1330		3	AMBER	1L	—	1								
4 DUP-1		—		3	VOA	40ml	HCl	1								
5 FB				2	AMBER	1L	—	1								
6																
7																
8																
9																
10																

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Sample on Field Rows Below.

Cooler Temp: 4 Therm. ID: SIC8888
No. of Coolers:
Custody Seals Present Y
Custody Seals Intact Y
Received on Ice Y
COC/Labels Complete/Accurate Y
Cont. in Good Cond. Y
Correct Container Y
Correct Sample Volume Y
Correct Preservative Y
Headspace Acceptable N
Chlorine Checking #:
Initial: MP, RV

Short Form/COC Comments:

* ALL Metals Samples were Field Filtered
1 X IL MW3 broken
1 X IL MW4 broken
VOAs MW3 MW4 AS
VOAs MW3 7-13-07

Project Comments:

Relinquished By / Company Name: Eric Mosder / ARM — Date 7/12/07 Time 1630
Received By / Company Name: [illegible] — Date Time
Relinquished By / Company Name: [illegible] — Date Time
Received By / Company Name: [illegible] — Date 7/13/07 Time 1130

Data Deliverables: ☐ Standard ☐ DLP-like ☐ USACE ☒ See Comments
Special Processing: ☐ USACE ☐ Navy
Sample Disposal: ☐ Lab ☐ Special
State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ MD
Reportable to PADEP? ☐ Yes
PWSID #:
EDDs: Format Type:
☐ Standard ☐ Complete ☐ Short Form ☐ Other
☐ Labor ☐ Rental Equipment ☐ Other
ALS Field Services: ☐ Pickup ☐ Composite Sampling

Rev 5/05

GOLDENROD - CUSTOMER COPY
PINK - FILE
CANARY - CUSTOMER MAILING
WHITE - ORIGINAL