

November 9, 2011

Mr. John Brenner
West Lebanon Township
322 N. 22nd Street
Lebanon, PA 17042

Certificate of Analysis

Project Name: 2011 - DW TESTING AND SOC	Workorder: 9934259
Purchase Order:	Workorder ID: Regulated VOC - Special

Dear Mr. Brenner,

Enclosed are the analytical results for samples received by the laboratory on Wednesday, October 26, 2011.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Kelli Wolfgang (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

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

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


Anna G Milliken
Technical Manager

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SAMPLE SUMMARY

Workorder: 9934259 Regulated VOC - Special

Discard Date: 11/23/2011

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9934259001	Special Entry Point 101	Drinking Water	10/26/11 16:45	10/26/11 18:30	David Blouch
9934259002	Trip Blank	Drinking Water	10/26/11 18:30	10/26/11 18:30	David Blouch

Workorder Comments:

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS 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.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Standard Acronyms/Flags

J, B	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)
N	Indicates presumptive evidence of the presence of a compound
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

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ANALYTICAL RESULTS

Workorder: 9934259 Regulated VOC - Special

Lab ID: **9934259001**

Date Collected: 10/26/2011 16:45

Matrix: Drinking Water

Sample ID: **Special Entry Point 101**

Date Received: 10/26/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Benzene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Styrene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Tetrachloroethene	10.4		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Toluene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Total Xylenes	ND		ug/L	1.5	EPA 524.2		11/2/11 09:05	MES	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2		11/2/11 09:05	MES	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	80.2		%	70-130	EPA 524.2		11/2/11 09:05	MES	A
4-Bromofluorobenzene (S)	73.1		%	70-130	EPA 524.2		11/2/11 09:05	MES	A

Sample Comments:


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Technical Manager

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ANALYTICAL RESULTS

Workorder: 9934259 Regulated VOC - Special

 Lab ID: **9934259002**

Date Collected: 10/26/2011 18:30

Matrix: Drinking Water

 Sample ID: **Trip Blank**

Date Received: 10/26/2011 18:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Benzene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Carbon Tetrachloride	ND	1	ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Tetrachloroethene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Total Xylenes	ND		ug/L	1.5	EPA 524.2		11/8/11 03:04	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2		11/8/11 03:04	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	93		%	70-130	EPA 524.2		11/8/11 03:04	DD	A
4-Bromofluorobenzene (S)	93.5		%	70-130	EPA 524.2		11/8/11 03:04	DD	A

Sample Comments:

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ANALYTICAL RESULTS QUALIFIERS/FLAGS

Workorder: 9934259 Regulated VOC - Special

PARAMETER QUALIFIERS/FLAGS

- [1] The QC sample type LCS for method EPA 524.2 was outside the control limits for the analyte Carbon Tetrachloride. The % Recovery was reported as 64.2 and the control limits were 70 to 130.

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ALS Environmental
 Ship to: 34 Dogwood Lane ■ Middletown, PA 17057 ■ 717-944-5541 ■ Fax: 717-944-1430

Co. Name: West Lebanon Twp
Contact (report to): John Brenner
Address: 322 N. 32nd St
 Phone: 717-821-7609

Lebanon PA 17046

Bill to (if different than report to):

Project Name#: _____
ALS Quote #: _____
 Date Required: _____
 Approved By: _____

TAT: Normal-Standard TAT is 10 business days.
 Rush-Subject to ALS approval and surcharges.

Email? Yes No
 Fax? Yes No

Chain of Custody / Request for Analysis
 ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT
 SIMPLER INSTRUCTIONS ON THE BACK

Container Type: 6
 Container Size: Via
 Preservation: N/A

ANALYSIS METHOD REQUESTED

Sample No.	Sample Description/Location <small>(as it will appear on the lab report)</small>	COC Comments	Sample Date	Military Time	Enter Number of Containers Per Analysis		Matrix	Data Deliverables	SQA Form #	State Samples Collected in?	ALS FIELD SERVICES
					G	C					
1	Entry Point 101		10/24/11	16:45	6	2	21 VOAS 4 524.2			MD	<input checked="" type="checkbox"/> Curdly seals Present? <input checked="" type="checkbox"/> (if present) Seals intact? <input checked="" type="checkbox"/> Received on ice? <input checked="" type="checkbox"/> COC Labels complete/accurate? <input checked="" type="checkbox"/> Container in good condition? <input checked="" type="checkbox"/> Correct container? <input checked="" type="checkbox"/> Correct sample volume? <input checked="" type="checkbox"/> Correct preservation? <input checked="" type="checkbox"/> Headspace/Volatiles?
2	Trip Blank					2				MD	<input type="checkbox"/> Pickup <input type="checkbox"/> Labor <input type="checkbox"/> Composite Sampling <input type="checkbox"/> Rental Equipment <input type="checkbox"/> Other:
3										MD	
4										MD	
5		* Special for 4th Oct 2011								MD	
6		per John at West Lebanon Twp.								MD	
7		KW 11111								MD	
8										MD	
9										MD	

SAMPLED BY (Please Print): D. Blouch
REINQUISHED BY (Please Print): D. Blouch
DATE: 10/24/11
TIME: 16:36
DATE: 10/24/11
TIME: 15:50

LOGGED BY (Signature): [Signature]
REVIEWED BY (Signature): [Signature]

DOB Criteria Required? 1380040
DOB Criteria Required? KW 11111

* G-Grab; C-Composite
 **Matrix: AL=Air; DW=Drinking Water; GW=Groundwater; OC=Oil; OL=Other Liquid; SL=Sludge; SQ=Soil; WP=Wp; WW=Wastewater
 ***Container Type: AG=Amber Glass; CG=Clear Glass; PL=Plastic; Container Size: 250ml, 500ml, 1L, 6oz., etc.; Preservation: HCl, HNO3, NaOH, etc.

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