

February 5, 2020

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3083960
Purchase Order:	Workorder ID: 4054 Chestnut

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, January 31, 2020.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3083960 4054 Chestnut

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3083960001	4054Chest-Raw	Drinking Water	1/31/2020 12:00	1/31/2020 20:25	Mr. John VanWagenen
3083960002	4054Chest-Can 1	Drinking Water	1/31/2020 12:15	1/31/2020 20:25	Mr. John VanWagenen
3083960003	4054Chest-Post	Drinking Water	1/31/2020 12:30	1/31/2020 20:25	Mr. John VanWagenen
3083960004	Trip Blank	Drinking Water	1/31/2020 20:25	1/31/2020 20:25	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3083960 4054 Chestnut

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
Cnr	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3083960 4054 Chestnut

Lab ID: 3083960001
Sample ID: 4054Chest-Raw

Date Collected: 1/31/2020 12:00 Matrix: Drinking Water
Date Received: 1/31/2020 20:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:32	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:32	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:32	PDK	A
Methyl t-Butyl Ether	23.2		ug/L	2.5	EPA 524.2			2/5/20 02:55	PDK	B
Naphthalene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:32	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:32	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			2/4/20 02:32	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:32	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:32	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	109		%	70 - 130	EPA 524.2			2/4/20 02:32	PDK	A
1,2-Dichlorobenzene-d4 (S)	90.5		%	70 - 130	EPA 524.2			2/5/20 02:55	PDK	B
4-Bromofluorobenzene (S)	99.7		%	70 - 130	EPA 524.2			2/4/20 02:32	PDK	A
4-Bromofluorobenzene (S)	86.2		%	70 - 130	EPA 524.2			2/5/20 02:55	PDK	B



Jessica Lee Smith
Project Coordinator

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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343**ANALYTICAL RESULTS**

Workorder: 3083960 4054 Chestnut

Lab ID: 3083960002

Date Collected: 1/31/2020 12:15

Matrix: Drinking Water

Sample ID: 4054Chest-Can 1

Date Received: 1/31/2020 20:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:57	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	112		%	70 - 130	EPA 524.2			2/4/20 02:57	PDK	A
4-Bromofluorobenzene (S)	100		%	70 - 130	EPA 524.2			2/4/20 02:57	PDK	A

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ANALYTICAL RESULTS

Workorder: 3083960 4054 Chestnut

Lab ID: 3083960003

Date Collected: 1/31/2020 12:30

Matrix: Drinking Water

Sample ID: 4054Chest-Post

Date Received: 1/31/2020 20:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 03:21	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	112		%	70 - 130	EPA 524.2			2/4/20 03:21	PDK	A
4-Bromofluorobenzene (S)	105		%	70 - 130	EPA 524.2			2/4/20 03:21	PDK	A



Jessica Lee Smith
Project Coordinator

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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

ANALYTICAL RESULTS

Workorder: 3083960 4054 Chestnut

Lab ID: 3083960004

Date Collected: 1/31/2020 20:25

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 1/31/2020 20:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			2/4/20 02:07	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	113		%	70 - 130	EPA 524.2			2/4/20 02:07	PDK	A
4-Bromofluorobenzene (S)	105		%	70 - 130	EPA 524.2			2/4/20 02:07	PDK	A

Jessica Lee Smith
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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3083960 4054 Chestnut

Lab ID	Sample ID	Analysis Method	Prep Method
3083960001	4054Chest-Raw	EPA 524.2	
3083960002	4054Chest-Can 1	EPA 524.2	
3083960003	4054Chest-Post	EPA 524.2	
3083960004	Trip Blank	EPA 524.2	

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301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Env. Work Order #: 3083960 Initials: QU Date: 2/1/2020

1. Were airbills / tracking numbers present and recorded?..... NONE YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE YES NO
3. Are Custody Seals on sample containers intact?..... NONE YES NO
4. Is there a COC (Chain-of-Custody) present?..... YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... YES NO
- 5a. Does the COC contain sample locations?..... YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... YES NO
- 5c. Does the COC contain sample collectors name?..... YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... YES NO
- 5f. Does the COC note the type of sample, composite or grab?..... YES NO
- 5g. Does the COC note the matrix of the sample(s)?..... YES NO
6. Are all aqueous samples requiring preservation preserved correctly?¹..... N/A YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... YES NO
8. Are all samples within holding times for the requested analyses?..... YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... N/A YES NO
11. Were the samples received on ice?..... YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... YES NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES NO
- 13a. Are the samples required for SDWA compliance reporting?..... N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO

Cooler #: _____

Temperature (°C): 3 _____

Thermometer ID: 318 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

¹Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis

Rev 1/20/2020

February 3, 2020

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3083959
Purchase Order:	Workorder ID: United 01/31/20

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, January 31, 2020.

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Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3083959 United 01/31/20

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3083959001	Yocos-Raw	Ground Water	1/31/2020 11:00	1/31/2020 20:25	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3083959 United 01/31/20

Notes

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PQL	Practical Quantitation Limit
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Cntr	Analysis was performed using this container
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MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
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RPD	Relative Percent Difference
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LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
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ANALYTICAL RESULTS

Workorder: 3083959 United 01/31/20

Lab ID: 3083959001

Date Collected: 1/31/2020 11:00

Matrix: Ground Water

Sample ID: Yuccos-Raw

Date Received: 1/31/2020 20:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Dissolved	ND		mg/L	0.0020	EPA 200.8	2/3/20 14:08	MO	2/3/20 14:51	MO	A1

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Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3083959 United 01/31/20

Lab ID	Sample ID	Analysis Method	Prep Method
3083959001	Yuccos-Raw	EPA 200.8	EPA ACID

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADDED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 1
Courier: ALS
Tracking #: 3083959

Co. Name: County Env. Assoc.
Contact (Report to): John W. Wagner Phone: 610-469-6540
Address: PO Box 224
St. Peters, PA 19470

Bill to (if different than Report to): same PO#:
Project Name/ID: United ALS Quote #:
TAT: ☒ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.
Approved By:

Email? ☐ Y ☐ N No.
Fax? ☐ Y ☐ N No.

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 <u>Yuccas - RAW</u>		<u>1/31/20</u>	<u>11:00</u>
2			
3			
4			
5			
6			
7			
8			

SAMPLED BY (Please Print):		Project Comments:	
<u>John W. Wagner</u>		<u>Has been field filtered.</u>	
Relinquished By / Company Name	Date	Time	Received By / Company Name
<u>John W. Wagner</u>	<u>1/31/20</u>	<u>1640</u>	<u>COMMON COURIER / ALS</u>
<u>COMMON COURIER / ALS</u>	<u>1/31/20</u>	<u>1700</u>	<u>COMMON COURIER / ALS</u>
			<u>1/31/20</u>
			<u>1/31/20</u>
			<u>1/31/20</u>
			<u>1/31/20</u>

* G=Grab; C=Composite
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

Container Type: 14.2
Size: 14.2
Preservative: None

Notes: Dissolved lead

Container in good condition? Y
CO2 levels completely accurate? Y
Received on ice? Y
(if present) Seals intact? Y
Correct sample volume? Y
Correct containers? Y

Circle appropriate Y or N.
Headspace/Volatilization? Y
Correct preservation? Y
Correct sample volume? Y
Correct containers? Y

ALS FIELD SERVICES
Pickup ☐
Labor ☐
Composite Sampling ☐
Rental Equipment ☐
Other: ☐

Substrate Collected in? NO
SMA Form? yes
Standard ☐
CLP-like ☐
NA-Reduced ☐
NA-Full ☐
If yes, format type: NA

EDS Required? ☐
DOD Criteria Required? ☐

ALS

Monday, February 03, 2020 4:23:13 PM

Page 6 of 7

6/3/2020 1:07:40 PM

Rev 01-2013



301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Env. Work Order #: 3063959 Initials: QJ Date: 2/1/2020

1. Were airbills / tracking numbers present and recorded?..... (NONE) YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE (YES) NO
3. Are Custody Seals on sample containers intact?..... (NONE) YES NO
4. Is there a COC (Chain-of-Custody) present?..... (YES) NO
5. Are the COC and bottle labels complete, legible and in agreement?..... (YES) NO
- 5a. Does the COC contain sample locations?..... (YES) NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... (YES) NO
- 5c. Does the COC contain sample collectors name?..... (YES) NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... (YES) NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... (YES) NO
- 5f. Does the COC note the type of sample, composite or grab?..... (YES) NO
- 5g. Does the COC note the matrix of the sample(s)?..... (YES) NO
6. Are all aqueous samples requiring preservation preserved correctly?¹..... N/A (YES) NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... (YES) NO
8. Are all samples within holding times for the requested analyses?..... (YES) NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... (YES) NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... (N/A) YES NO
11. Were the samples received on ice?..... (YES) NO
12. Were sample temperatures measured at 0.0-6.0°C..... (YES) NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES (NO)
- 13a. Are the samples required for SDWA compliance reporting?..... (N/A) YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... (N/A) YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... (N/A) YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... (N/A) YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... (N/A) YES NO

Cooler #: _____

Temperature (°C): 1 _____

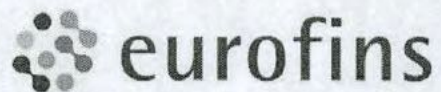
Thermometer ID: 318 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

¹Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis

Rev 1/20/2020



Environment Testing
TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-200175-1
Client Project/Site: 4030 Miller

For:
Coventry Environmental Associates Inc
PO BOX 224
Saint Peters, Pennsylvania 19470

Attn: John Van Wagenen

Jill Miller

Authorized for release by:
1/13/2020 11:59:16 AM

Jill Miller, Senior Project Manager
(484)685-0871
jill.miller@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

6/3/2020 1:07:41 PM

Case Narrative

Client: Coventry Environmental Associates Inc
Project/Site: 4030 Miller

Job ID: 460-200175-1

Job ID: 460-200175-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

Job Narrative
460-200175-1

Comments

No additional comments.

Receipt

The samples were received on 1/7/2020 2:48 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 7.5° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: 4030 Miller-RAW (460-200175-1), 4030 Miller -Can 1 (460-200175-2) and 4030 Miller-Post (460-200175-3).

GC/MS VOA

Method 524.2: The continuing calibration verification (CCV) associated with batch 460-667121 recovered outside acceptance criteria, low biased, for 1,2,4-Trimethylbenzene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 524.2: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-667121 recovered outside control limits for the following analytes: 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Coventry Environmental Associates Inc
Project/Site: 4030 Miller

Job ID: 460-200175-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-200175-1	4030 Miller-RAW	Water	01/06/20 10:00	01/07/20 14:48	
460-200175-2	4030 Miller -Can 1	Water	01/06/20 10:10	01/07/20 14:48	
460-200175-3	4030 Miller-Post	Water	01/06/20 10:20	01/07/20 14:48	
460-200175-4	Trip Blank	Water	01/06/20 00:00	01/07/20 14:48	

Client Sample Results

Client: Coventry Environmental Associates Inc
Project/Site: 4030 Miller

Job ID: 460-200175-1

Client Sample ID: 4030 Miller-RAW

Date Collected: 01/06/20 10:00

Date Received: 01/07/20 14:48

Lab Sample ID: 460-200175-1

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
1,2,4-Trimethylbenzene	0.10	U *	0.50	0.10	ug/L		01/09/20 01:57	1	VBP
1,3,5-Trimethylbenzene	0.12	U *	0.50	0.12	ug/L		01/09/20 01:57	1	VBP
Benzene	0.11	U	0.50	0.11	ug/L		01/09/20 01:57	1	VBP
Ethylbenzene	0.090	U	0.50	0.090	ug/L		01/09/20 01:57	1	VBP
Isopropylbenzene	0.14	U	0.50	0.14	ug/L		01/09/20 01:57	1	VBP
Methyl t-butyl ether	0.96		0.50	0.090	ug/L		01/09/20 01:57	1	VBP
Naphthalene	0.080	U	0.50	0.080	ug/L		01/09/20 01:57	1	VBP
Toluene	0.11	U	0.50	0.11	ug/L		01/09/20 01:57	1	VBP
Xylenes, Total	0.32	U	0.50	0.32	ug/L		01/09/20 01:57	1	VBP

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4	102		70 - 130	01/09/20 01:57	1	VBP
Bromofluorobenzene	72		70 - 130	01/09/20 01:57	1	VBP

Client Sample ID: 4030 Miller -Can 1

Date Collected: 01/06/20 10:10

Date Received: 01/07/20 14:48

Lab Sample ID: 460-200175-2

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
1,2,4-Trimethylbenzene	0.10	U *	0.50	0.10	ug/L		01/09/20 02:21	1	VBP
1,3,5-Trimethylbenzene	0.12	U *	0.50	0.12	ug/L		01/09/20 02:21	1	VBP
Benzene	1.6		0.50	0.11	ug/L		01/09/20 02:21	1	VBP
Ethylbenzene	0.090	U	0.50	0.090	ug/L		01/09/20 02:21	1	VBP
Isopropylbenzene	2.1		0.50	0.14	ug/L		01/09/20 02:21	1	VBP
Methyl t-butyl ether	0.090	U	0.50	0.090	ug/L		01/09/20 02:21	1	VBP
Naphthalene	0.080	U	0.50	0.080	ug/L		01/09/20 02:21	1	VBP
Toluene	0.23	J	0.50	0.11	ug/L		01/09/20 02:21	1	VBP
Xylenes, Total	0.32	U	0.50	0.32	ug/L		01/09/20 02:21	1	VBP

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4	86		70 - 130	01/09/20 02:21	1	VBP
Bromofluorobenzene	88		70 - 130	01/09/20 02:21	1	VBP

Client Sample ID: 4030 Miller-Post

Date Collected: 01/06/20 10:20

Date Received: 01/07/20 14:48

Lab Sample ID: 460-200175-3

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
1,2,4-Trimethylbenzene	0.10	U *	0.50	0.10	ug/L		01/09/20 02:44	1	VBP
1,3,5-Trimethylbenzene	0.12	U *	0.50	0.12	ug/L		01/09/20 02:44	1	VBP
Benzene	0.11	U	0.50	0.11	ug/L		01/09/20 02:44	1	VBP
Ethylbenzene	0.090	U	0.50	0.090	ug/L		01/09/20 02:44	1	VBP
Isopropylbenzene	0.14	J	0.50	0.14	ug/L		01/09/20 02:44	1	VBP
Methyl t-butyl ether	0.090	U	0.50	0.090	ug/L		01/09/20 02:44	1	VBP
Naphthalene	0.080	U	0.50	0.080	ug/L		01/09/20 02:44	1	VBP
Toluene	0.11	U	0.50	0.11	ug/L		01/09/20 02:44	1	VBP
Xylenes, Total	0.32	U	0.50	0.32	ug/L		01/09/20 02:44	1	VBP

Eurofins TestAmerica, Edison

Client Sample Results

Client: Coventry Environmental Associates Inc
Project/Site: 4030 Miller

Job ID: 460-200175-1

Client Sample ID: 4030 Miller-Post

Date Collected: 01/06/20 10:20

Date Received: 01/07/20 14:48

Lab Sample ID: 460-200175-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4	96		70 - 130	01/09/20 02:44	1	VBP
Bromofluorobenzene	96		70 - 130	01/09/20 02:44	1	VBP

Client Sample ID: Trip Blank

Date Collected: 01/06/20 00:00

Date Received: 01/07/20 14:48

Lab Sample ID: 460-200175-4

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
1,2,4-Trimethylbenzene	0.10	U *	0.50	0.10	ug/L		01/09/20 00:02	1	VBP
1,3,5-Trimethylbenzene	0.12	U *	0.50	0.12	ug/L		01/09/20 00:02	1	VBP
Benzene	0.11	U	0.50	0.11	ug/L		01/09/20 00:02	1	VBP
Ethylbenzene	0.090	U	0.50	0.090	ug/L		01/09/20 00:02	1	VBP
Isopropylbenzene	0.14	U	0.50	0.14	ug/L		01/09/20 00:02	1	VBP
Methyl t-butyl ether	0.090	U	0.50	0.090	ug/L		01/09/20 00:02	1	VBP
Naphthalene	0.080	U	0.50	0.080	ug/L		01/09/20 00:02	1	VBP
Toluene	0.11	U	0.50	0.11	ug/L		01/09/20 00:02	1	VBP
Xylenes, Total	0.32	U	0.50	0.32	ug/L		01/09/20 00:02	1	VBP

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4	117		70 - 130	01/09/20 00:02	1	VBP
Bromofluorobenzene	115		70 - 130	01/09/20 00:02	1	VBP

Eurofins TestAmerica, Edison

Accreditation/Certification and Definitions Summary

Client: Coventry Environmental Associates Inc
Project/Site: 4030 Miller

Job ID: 460-200175-1

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	68-00522	02-28-20
Analysis Method	Prep Method	Matrix	Analyte

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: Coventry Environmental Associates Inc
Project/Site: 4030 Miller

Job ID: 460-200175-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL EDI

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Eurofins TestAmerica, Edison

450-KOP Chain of Custody Record

364745

TestAmerica

7.5.00 KOP-2

rec. on 1/17/20

TAL-9210

Address:

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact

Company Name: Carthy Env HSSO

Address: PO Box 224

City/State/Zip: St. Peters, MO 64479

Phone: 610-469-6540

Fax:

Project Name: 4030 Miller

Site:

P.O. #

Project Manager: John Wickham

Tel/Email: 574-464-8020

Analysis Turnaround Time: 40C

☐ CALENDAR DAYS ☐ WORKING DAYS

TAT if different from Below

☐ 2 weeks

☐ 1 week

☐ 2 days

☐ 1 day

Sample Identification

4630 Miller - Rtu
4030 Miller - can 1
4030 Miller - Post
trip Blauk

Sample Date

Sample Time

Sample Type (C-Camp, G-Camp)

Matrix

of Cont.

Filtered Sample (Y/N)

Perform MS/MSD (Y/N)

PA DEP untreated gus

Drinking water EPA 584.2

Date:

Carrier:

COC No:

of COCs

Sampler:

For Lab Use Only:

Walk-in Client:

Lab Sampling:

Job / SDG No.:

Sample Specific Notes:



460-200175 Chain of Custody

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client

☐ Disposal by Lab

☐ Archive for

Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact:

Relinquished by:

Relinquished by:

Relinquished by:

Custody Seal No.:

Company:

Company:

Company:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Received by:

Received by:

Received by:

Received by:

Cooler Temp. (°C) Obsd:

Coord:

Coord:

Coord:

Therm ID No.:

Company:

Company:

Company:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

December 23, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3076483
Purchase Order:	Workorder ID: 4030 Miller

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, December 18, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3076483 4030 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3076483001	4030 Miller- Post	Drinking Water	12/17/2019 14:30	12/18/2019 21:30	Collected by Client
3076483002	Trip Blank	Drinking Water	12/18/2019 21:30	12/18/2019 21:30	Collected by Client

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SAMPLE SUMMARY

Workorder: 3076483 4030 Miller

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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Vancouver Waterloo • Winnipeg • Yellowknife United States: Cincinnati • Everett • Fort Collins • Holland • Houston • Middletown • Salt Lake City • Spring City • York Mexico: Monterrey

PROJECT SUMMARY

Workorder: 3076483 4030 Miller

Sample Comments

Lab ID: 3076483002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3076483 4030 Miller

Lab ID: 3076483001
Sample ID: 4030 Miller- Post

Date Collected: 12/17/2019 14:30 Matrix: Drinking Water
Date Received: 12/18/2019 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/19/19 16:59	TMP	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	89.7		%	70 - 130	EPA 524.2			12/19/19 16:59	TMP	A
4-Bromofluorobenzene (S)	92.4		%	70 - 130	EPA 524.2			12/19/19 16:59	TMP	A



Jessica Lee Smith
Project Coordinator

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Vancouver Waterloo • Winnipeg • Yellowknife United States: Cincinnati • Everett • Fort Collins • Holland • Houston • Middletown • Salt Lake City • Spring City • York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 3076483 4030 Miller

Lab ID: **3076483002**

Date Collected: 12/18/2019 21:30

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 12/18/2019 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
------------	---------	------	-------	-----	--------	----------	----	----------	----	------

ADMINISTRATIVE

Sample Cancelled

CANCEL

12/23/19 07:45 CPK

Jessica Lee Smith
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington • Calgary • Centre of Excellence • Edmonton • Fort McMurray • Fort St. John • Grande Prairie • London • Mississauga • Richmond Hill • Saskatoon • Thunder Bay
Vancouver Waterloo • Winnipeg • Yellowknife United States: Cincinnati • Everett • Fort Collins • Holland • Houston • Middletown • Salt Lake City • Spring City • York Mexico: Monterrey

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3076483 4030 Miller

Lab ID	Sample ID	Analysis Method	Prep Method
3076483001	4030 Miller- Post	EPA 524.2	

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Environmental

Co. Name: Country Env. Assoc.
Contact (Report to): John Van Wagner Phone: 610 461 6540
Address: 90 Roe 224
St. Peters, PA 19470

Bill to (if different than Report to): Same PO#:

Project Name/ID: 4030 Miller ALS Quote #:

TAT: ☐ Normal Standard TAT is 10-12 business days.
☒ Rush-Subject to ALS approval and surcharge 3 day Approved By:

Email? ☐ Y ☐ N Fax? ☐ Y ☐ N

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 <u>4030 Miller - Post</u>		<u>12/17/19</u>	<u>1430</u>
2 <u>trip blank</u>			
3			
4			
5			
6			
7			
8			

SAMPLED BY (Please Print): John Van Wagner

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 <u>John Van Wagner</u>	<u>12/19/19</u>	<u>1350</u>	2 <u>John Van Wagner</u>	<u>12/19/19</u>	<u>1430</u>
3 <u>Chris McLanahan</u>	<u>12/19/19</u>	<u>1800</u>	4 <u>ALS Center</u>		
5 <u>ALS Center</u>			6 <u>COM</u>	<u>12/19/19</u>	<u>1430</u>
7			8		
9			10		

* G=Glass; C=Composite ** Matrix: A=Air; D=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

Container Type: glass
Container Size: vial
Preservative: ASC

ANALYSIS/METHOD REQUESTED

Enter Number of Containers Per Analysis

Notes:

Circle appropriate Y or N.

Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
COC labels complete/accurate?	Y	N
Container in good condition?	Y	N

ALS FIELD SERVICES

Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other: ☐

State Sample Collected In? ☐ MD ☐ NJ ☐ NY ☐ PA

SOWA Forming? ☐ yes ☐ no ☐ CLP-like ☐ yes ☐ no ☐ NJ-Reduced ☐ yes ☐ no ☐ NJ-Full ☐ yes ☐ no

Data Deliverables ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ new

EDS Required? ☐ If yes, format type: CSV

DOB Criteria Required? ☐

Page of
Courier:
Tracking #:

Rev 01-2013

ALS

Monday, December 23, 2019 11:21:49 AM

Page 8 of 9

6/3/2020 1:07:53 PM



301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Env. - Assa. Work Order #: 3076483 Initials: Com Date: 12/18/19

1. Were airbills / tracking numbers present and recorded?..... NONE YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE YES NO
3. Are Custody Seals on sample containers intact?..... NONE YES NO
4. Is there a COC (Chain-of-Custody) present?..... YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... YES NO
- 5a. Does the COC contain sample locations?..... YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... YES NO
- 5c. Does the COC contain sample collectors name?..... YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... YES NO
- 5f. Does the COC note the type of sample, composite or grab?..... YES NO
- 5g. Does the COC note the matrix of the sample(s)?..... YES NO
6. Are all aqueous samples requiring preservation preserved correctly?..... N/A YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... YES NO
8. Are all samples within holding times for the requested analyses?..... YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... N/A YES NO
11. Were the samples received on ice?..... YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... YES NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES NO
- 13a. Are the samples required for SDWA compliance reporting?..... N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO

Cooler #: _____

Temperature (°C): 6°C _____

Thermometer ID: 314 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

ALS

December 17, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3075733
Purchase Order:	Workorder ID: 4030 Miller

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, December 13, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3075733 4030 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3075733001	4030 Miller-Raw	Drinking Water	12/13/2019 10:30	12/13/2019 21:40	Mr. John VanWagenen
3075733002	4030 Miller-Can 1	Drinking Water	12/13/2019 10:45	12/13/2019 21:40	Mr. John VanWagenen
3075733003	Trip Blank	Drinking Water	12/13/2019 21:40	12/13/2019 21:40	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3075733 4030 Miller

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3075733 4030 Miller

Lab ID: 3075733001
Sample ID: 4030 Miller-Raw

Date Collected: 12/13/2019 10:30 Matrix: Drinking Water
Date Received: 12/13/2019 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
Methyl t-Butyl Ether	1.0		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:17	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	101		%	70 - 130	EPA 524.2			12/16/19 16:17	TMP	A
4-Bromofluorobenzene (S)	97.4		%	70 - 130	EPA 524.2			12/16/19 16:17	TMP	A



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ANALYTICAL RESULTS

Workorder: 3075733 4030 Miller

Lab ID: 3075733002

Date Collected: 12/13/2019 10:45

Matrix: Drinking Water

Sample ID: 4030 Miller-Can 1

Date Received: 12/13/2019 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	1.3		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
Isopropylbenzene	0.75		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 16:42	TMP	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	92.8		%	70 - 130	EPA 524.2			12/16/19 16:42	TMP	A
4-Bromofluorobenzene (S)	96.1		%	70 - 130	EPA 524.2			12/16/19 16:42	TMP	A



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Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3075733 4030 Miller

Lab ID: 3075733003

Date Collected: 12/13/2019 21:40

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 12/13/2019 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/16/19 17:07	TMP	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	95.2		%	70 - 130	EPA 524.2			12/16/19 17:07	TMP	A
4-Bromofluorobenzene (S)	93.3		%	70 - 130	EPA 524.2			12/16/19 17:07	TMP	A



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Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3075733 4030 Miller

Lab ID	Sample ID	Analysis Method	Prep Method
3075733001	4030 Miller-Raw	EPA 524.2	
3075733002	4030 Miller-Can 1	EPA 524.2	
3075733003	Trip Blank	EPA 524.2	

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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Environmental

Co. Name: Country Env. Assoc. Inc
Contact (Report to): John Van Wagner Phone: 610-469-0540
Address: PO Box 224
St. Peters, PA 19470

Bill to (if different than Report to): same PO#:

Project Name#: 4030 Miller ALS Quote #:

TAT: ☐ Normal Standard TAT is 10-12 business days.
☒ Rush-Subject to ALS approval and surcharges. 3 day Approved By:

Email? ☐ Y No: ☐ Y No:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1 <u>4030 Miller-Rain</u>		<u>12/13/19 10:30</u>	<u>6:00</u>
2 <u>4030 Miller-Carl</u>		<u>10:45</u>	<u>6:00</u>
3 <u>trip blank</u>			
4			
5			
6			
7			
8			

Project Comments:

SAMPLED BY (Please Print): John Van Wagner

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 <u>John Van Wagner</u>	<u>12/13/19</u>	<u>17:25</u>	2 <u>John Van Wagner</u>	<u>12/13/19</u>	<u>17:25</u>
3 <u>John Van Wagner</u>	<u>12/13/19</u>	<u>17:30</u>	4 <u>COMMON COURIER ALS COURIER</u>	<u>12/13/19</u>	<u>17:30</u>
5 <u>COMMON COURIER ALS COURIER</u>			6 <u>COMMON COURIER ALS COURIER</u>	<u>12/13/19</u>	<u>17:30</u>
7			8		
9			10		

* G=Glass C=Composite

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

**Matrix: AL=Air, DW=Drinking Water, GW=Groundwater, OL=Oil, OL=Other Liquid, SL=Sludge, SO=Soil, WP=Wet, WW=Wastewater
***Container Type: AG=Amber Glass, CG=Clear Glass, PL=Plastic, Container Size: 250ml, 500ml, 1L, 5oz, etc. Preservatives: HCl, HNO3, NaOH, etc.

Rev 01-2013

Page _____ of _____
Courier: _____
Tracking #: _____



* 3 0 7 5 7 3 3 *

Container Type

Container Size

Preservative

Cooler Temp: 2

Therm ID: 2

No. of Coolers:

Notes:

Correct sample volume?

Correct preservation?

Headspace/Volatiles?

Container in good condition?

COC Labels complete/accurate?

Received on Rec?

(if present) Seals intact?

Custody seals Present?

ALS FIELD SERVICES

Pickup

Labor

Composite Sampling

Rental Equipment

Other:

State Samples Collected In?

SWA Form?

Standard

CLP-like

NIJ-Reduced

NIJ-Full

Other

Data Deliverables

EDS

DD Criteria Required?

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

Enter EDS ID

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Enter EDS ID

Enter EDS ID



301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Env. Assoc. Work Order #: 3075733 Initials: aj Date: 12/14/19

1. Were airbills / tracking numbers present and recorded?..... NONE YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE YES NO
3. Are Custody Seals on sample containers intact?..... NONE YES NO
4. Is there a COC (Chain-of-Custody) present?..... YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... YES NO
- 5a. Does the COC contain sample locations?..... YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... YES NO
- 5c. Does the COC contain sample collectors name?..... YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... added to COC for TB YES NO
- 5f. Does the COC note the type of sample, composite or grab?..... YES NO
- 5g. Does the COC note the matrix of the sample(s)?..... YES NO
6. Are all aqueous samples requiring preservation preserved correctly?..... N/A YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... YES NO
8. Are all samples within holding times for the requested analyses?..... YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... N/A YES NO
11. Were the samples received on ice?..... YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... YES NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES NO
- 13a. Are the samples required for SDWA compliance reporting?..... N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO

Cooler #: _____

Temperature (°C): 2 _____

Thermometer ID: 525 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

December 11, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

4035

Certificate of Analysis

Project Name: UST Testing	Workorder: 3074201
Purchase Order:	Workorder ID: UST 12/06/19

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, December 6, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3074201 UST 12/06/19

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3074201001	4035 Miller	Drinking Water	12/6/2019 11:30	12/6/2019 21:00	Mr. John VanWagenen
3074201002	Trip Blank	Drinking Water	12/6/2019 21:00	12/6/2019 21:00	Mr. John VanWagenen
3074201003	4075 Miller	Drinking Water	12/6/2019 11:00	12/6/2019 21:00	Mr. John VanWagenen
3074201004	Trip Blank	Drinking Water	12/6/2019 21:00	12/6/2019 21:00	Mr. John VanWagenen
3074201005	4050 Miller Raw	Drinking Water	12/6/2019 12:15	12/6/2019 21:00	Mr. John VanWagenen
3074201006	4050 Miller-Can 1	Drinking Water	12/6/2019 12:30	12/6/2019 21:00	Mr. John VanWagenen
3074201007	Trip Blank	Drinking Water	12/6/2019 21:00	12/6/2019 21:00	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3074201 UST 12/06/19

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 3074201 UST 12/06/19

Sample Comments

Lab ID: 3074201002 **Sample ID:** Trip Blank **Sample Type:** SAMPLE

This sample was cancelled per project specifications.

Lab ID: 3074201004 **Sample ID:** Trip Blank **Sample Type:** SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3074201 UST 12/06/19

Lab ID: **3074201001**

Date Collected: 12/6/2019 11:30

Matrix: Drinking Water

Sample ID: **4035 Miller**

Date Received: 12/6/2019 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			12/9/19 13:56	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 13:56	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 13:56	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			12/9/19 13:56	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/9/19 13:56	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/9/19 13:56	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 13:56	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 13:56	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	110		%	70 - 130	EPA 524.2			12/9/19 13:56	TMP	A
4-Bromofluorobenzene (S)	97.8		%	70 - 130	EPA 524.2			12/9/19 13:56	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3074201 UST 12/06/19

Lab ID: **3074201002**

Date Collected: 12/6/2019 21:00

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 12/6/2019 21:00

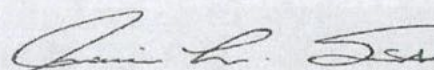
Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
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ADMINISTRATIVE

Sample Cancelled

CANCEL

12/10/19 10:43 CPK

Jessica Lee Smith
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 3074201 UST 12/06/19

Lab ID: 3074201003

Date Collected: 12/6/2019 11:00

Matrix: Drinking Water

Sample ID: 4075 Miller

Date Received: 12/6/2019 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:21	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:21	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:21	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			12/9/19 14:21	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:21	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:21	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:21	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:21	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	119		%	70 - 130	EPA 524.2			12/9/19 14:21	TMP	A
4-Bromofluorobenzene (S)	93.7		%	70 - 130	EPA 524.2			12/9/19 14:21	TMP	A



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Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3074201 UST 12/06/19

Lab ID: **3074201004**

Date Collected: 12/6/2019 21:00

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 12/6/2019 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
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ADMINISTRATIVE

Sample Cancelled

CANCEL

12/10/19 10:44 CPK

Jessica Lee Smith
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ANALYTICAL RESULTS

Workorder: 3074201 UST 12/06/19

Lab ID: **3074201005**
Sample ID: **4050 Miller Raw**

Date Collected: 12/6/2019 12:15 Matrix: Drinking Water
Date Received: 12/6/2019 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	1.2		ug/L	0.50	EPA 524.2			12/9/19 14:45	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:45	TMP	A
Isopropylbenzene	0.97		ug/L	0.50	EPA 524.2			12/9/19 14:45	TMP	A
Methyl t-Butyl Ether	3.6		ug/L	0.50	EPA 524.2			12/9/19 14:45	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:45	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:45	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:45	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 14:45	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	103		%	70 - 130	EPA 524.2			12/9/19 14:45	TMP	A
4-Bromofluorobenzene (S)	95.6		%	70 - 130	EPA 524.2			12/9/19 14:45	TMP	A



Jessica Lee Smith
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ANALYTICAL RESULTS

Workorder: 3074201 UST 12/06/19

Lab ID: 3074201006

Date Collected: 12/6/2019 12:30

Matrix: Drinking Water

Sample ID: 4050 Miller-Can 1

Date Received: 12/6/2019 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			12/9/19 15:10	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 15:10	TMP	A
Isopropylbenzene	0.57		ug/L	0.50	EPA 524.2			12/9/19 15:10	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			12/9/19 15:10	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/9/19 15:10	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/9/19 15:10	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 15:10	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/9/19 15:10	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	94.3		%	70 - 130	EPA 524.2			12/9/19 15:10	TMP	A
4-Bromofluorobenzene (S)	95.6		%	70 - 130	EPA 524.2			12/9/19 15:10	TMP	A



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ANALYTICAL RESULTS

Workorder: 3074201 UST 12/06/19

Lab ID: 3074201007

Date Collected: 12/6/2019 21:00

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 12/6/2019 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			12/11/19 01:01	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			12/11/19 01:01	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			12/11/19 01:01	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			12/11/19 01:01	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			12/11/19 01:01	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			12/11/19 01:01	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/11/19 01:01	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			12/11/19 01:01	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	109		%	70 - 130	EPA 524.2			12/11/19 01:01	PDK	A
4-Bromofluorobenzene (S)	102		%	70 - 130	EPA 524.2			12/11/19 01:01	PDK	A



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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3074201 UST 12/06/19

Lab ID	Sample ID	Analysis Method	Prep Method
3074201001	4035 Miller	EPA 524.2	
3074201003	4075 Miller	EPA 524.2	
3074201005	4050 Miller Raw	EPA 524.2	
3074201006	4050 Miller-Can 1	EPA 524.2	
3074201007	Trip Blank	EPA 524.2	

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301 Fulling Mill Road
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

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

COC of
ALS

Client Name: <u>Cventy Exv. Assoc</u>		Container Type: <u>g/L</u>	W.O. Temp: <u>52.5</u>	
Address: <u>80 Box 224</u>		Container Size: <u>15L</u>	Analyst Initials: <u>TS</u>	
Contact: <u>John Van Wageningen</u>		Personnel: <u>156</u>	Courier/Tracking #: _____	
Phone#: <u>610-469-6540</u>		Purchase Order #: _____		
Project Name/ID: <u>UTS</u>		Project Comments: _____		
Bill To: <u>same</u>		ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment Other: _____		
TAT: ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.		Sample/COC Comments: _____		
Date Required: <u>3 day</u>		Enter Number of Containers Per Sample or Field Results Below.		
Email? ☐ Y ☐ N				
Fax? ☐ Y ☐ N				
Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yyyy	Time hh:mm	Matrix	
1 4035 Miller	12-6-19	11:30	G-W 3	
2 4075 Miller		11:00	3	
3 4050 Miller RAW		12:15	3	
4 4050 Miller - can		12:30	3	
5 4035 Miller - trip black			2	
6 4075 Miller - trip black			2	
7 4050 Miller - trip black			2	
8				
9				
10				
SAMPLER COMMENTS: <u>John Van Wageningen</u>				
State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ other				
Special Processing: ☐ USACE ☐ USACE/DOD				
Data Deliverables: ☐ Standard ☐ CLP-like ☐ USACE/DOD				
Reportable to PADEP? ☐ Yes ☐ No				
Sample Disposal: ☐ Lab ☐ Special				
PWSID #: _____				
EDDS: Format Type: _____				
Relinquished By / Company Name: <u>John Van Wageningen</u>		Date: <u>12/6/19</u>	Time: <u>17:05</u>	
1 <u>John Van Wageningen</u>		Received By / Company Name: <u>John Van Wageningen</u>	Date: <u>12/6/19</u>	Time: <u>17:05</u>
3 <u>John Van Wageningen</u>		Received By / Company Name: <u>COMMON COURIER</u>	Date: <u>12/19</u>	Time: <u>18:00</u>
5 <u>John Van Wageningen</u>		Received By / Company Name: <u>COMMON COURIER</u>	Date: <u>12/19</u>	Time: <u>18:00</u>
7 <u>COMMON COURIER</u>		Received By / Company Name: <u>COMMON COURIER</u>	Date: <u>12/19</u>	Time: <u>18:00</u>
9		Received By / Company Name: _____	Date: _____	Time: _____

* G=Grab; C=Composite; "Matrix" - ALS=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Middletown, PA 17057

Rev 04/19



301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Env. Work Order #: 3074201 Initials: QU Date: 12/7/19

1. Were airbills / tracking numbers present and recorded?..... NONE YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE YES NO
3. Are Custody Seals on sample containers intact?..... NONE YES NO
4. Is there a COC (Chain-of-Custody) present?..... YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... YES NO
- 5a. Does the COC contain sample locations?..... YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... YES NO
- 5c. Does the COC contain sample collectors name?..... YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... YES NO
- 5f. Does the COC note the type of sample, composite or grab?..... YES NO
- 5g. Does the COC note the matrix of the sample(s)?..... YES NO
6. Are all aqueous samples requiring preservation preserved correctly?..... N/A YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... YES NO
8. Are all samples within holding times for the requested analyses?..... YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... N/A YES NO
11. Were the samples received on ice?..... YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... YES NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES NO
- 13a. Are the samples required for SDWA compliance reporting?..... N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO

Cooler #: _____

Temperature (°C): 0 _____

Thermometer ID: 525 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

October 25, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3065347
Purchase Order:	Workorder ID: 4054 Chest

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, October 22, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3065347 4054 Chest

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3065347001	4054 Chest Raw	Drinking Water	10/22/2019 14:00	10/22/2019 22:00	Mr. John VanWagenen
3065347002	4054 Chest Can 1	Drinking Water	10/22/2019 14:15	10/22/2019 22:00	Mr. John VanWagenen
3065347003	4054 Chest Post	Drinking Water	10/22/2019 14:30	10/22/2019 22:00	Mr. John VanWagenen
3065347004	Trip Blank	Drinking Water	10/22/2019 22:00	10/22/2019 22:00	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3065347 4054 Chest

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3065347 4054 Chest

Lab ID: 3065347001

Date Collected: 10/22/2019 14:00

Matrix: Drinking Water

Sample ID: 4054 Chest Raw

Date Received: 10/22/2019 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
Methyl t-Butyl Ether	23.4		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:09	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	97		%	70 - 130	EPA 524.2			10/24/19 02:09	PDK	A
4-Bromofluorobenzene (S)	87.1		%	70 - 130	EPA 524.2			10/24/19 02:09	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3065347 4054 Chest

Lab ID: 3065347002

Date Collected: 10/22/2019 14:15

Matrix: Drinking Water

Sample ID: 4054 Chest Can 1

Date Received: 10/22/2019 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:34	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	94.5		%	70 - 130	EPA 524.2			10/24/19 02:34	PDK	A
4-Bromofluorobenzene (S)	88.1		%	70 - 130	EPA 524.2			10/24/19 02:34	PDK	A



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ANALYTICAL RESULTS

Workorder: 3065347 4054 Chest

Lab ID: 3065347003
Sample ID: 4054 Chest Post

Date Collected: 10/22/2019 14:30 Matrix: Drinking Water
Date Received: 10/22/2019 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/24/19 02:58	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	92.7		%	70 - 130	EPA 524.2			10/24/19 02:58	PDK	A
4-Bromofluorobenzene (S)	86.2		%	70 - 130	EPA 524.2			10/24/19 02:58	PDK	A



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ANALYTICAL RESULTS

Workorder: 3065347 4054 Chest

Lab ID: **3065347004**

Date Collected: 10/22/2019 22:00

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 10/22/2019 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/25/19 00:57	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	89.3		%	70 - 130	EPA 524.2			10/25/19 00:57	PDK	A
4-Bromofluorobenzene (S)	90.7		%	70 - 130	EPA 524.2			10/25/19 00:57	PDK	A



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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3065347 4054 Chest

Lab ID	Sample ID	Analysis Method	Prep Method
3065347001	4054 Chest Raw	EPA 524.2	
3065347002	4054 Chest Can 1	EPA 524.2	
3065347003	4054 Chest Post	EPA 524.2	
3065347004	Trip Blank	EPA 524.2	

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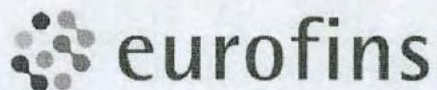
301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client:	Work Order #:	Initials:	Date:
<u>Coxbury</u>	<u>3065347</u>		<u>UN 10/23/19</u>
1. Were airbills / tracking numbers present and recorded?..... <u>NONE</u> YES NO Tracking number: _____			
2. Are Custody Seals on shipping containers intact?..... <u>NONE</u> <u>YES</u> NO			
3. Are Custody Seals on sample containers intact?..... <u>NONE</u> YES NO			
4. Is there a COC (Chain-of-Custody) present?..... YES NO			
5. Are the COC and bottle labels complete, legible and in agreement?..... YES NO			
5a. Does the COC contain sample locations?..... YES NO			
5b. Does the COC contain date and time of sample collection for all samples?..... YES NO			
5c. Does the COC contain sample collectors name?..... YES NO			
5d. Does the COC note the type(s) of preservation for all bottles?..... YES NO			
5e. Does the COC note the number of bottles submitted for each sample?..... YES NO			
5f. Does the COC note the type of sample, composite or grab?..... YES NO			
5g. Does the COC note the matrix of the sample(s)?..... YES NO			
6. Are all aqueous samples requiring preservation preserved correctly?..... N/A YES NO			
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... YES NO			
8. Are all samples within holding times for the requested analyses?..... YES NO			
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... YES NO			
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... N/A YES NO			
11. Were the samples received on ice?..... YES NO			
12. Were sample temperatures measured at 0.0-6.0°C..... YES NO			
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES NO			
13a. Are the samples required for SDWA compliance reporting?..... N/A YES <u>NO</u>			
13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO			
13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO			
13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO			
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO			
Cooler #: <u>1</u>			
Temperature (°C): <u>2</u>			
Thermometer ID: <u>402</u>			
Radiological (µCi): _____			

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019



Environment Testing
TestAmerica

1
2
3
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5
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7

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-196304-1
Client Project/Site: 4042 Chest

For:
Coventry Environmental Associates Inc
PO BOX 224
Saint Peters, Pennsylvania 19470

Attn: John Van Wagenen

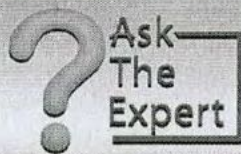
Authorized for release by:
11/18/2019 2:04:58 PM

Jill Miller, Senior Project Manager
(484)685-0871
jill.miller@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

6/3/2020 1:08:20 PM

Case Narrative

Client: Coventry Environmental Associates Inc
Project/Site: 4042 Chest

Job ID: 460-196304-1

Job ID: 460-196304-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

Job Narrative
460-196304-1

Comments

No additional comments.

Receipt

The samples were received on 11/12/2019 3:54 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Coventry Environmental Associates Inc
Project/Site: 4042 Chest

Job ID: 460-196304-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-196304-1	4042 Chest-RAW	Water	11/12/19 10:30	11/12/19 15:54	
460-196304-2	Trip Blank	Water	11/12/19 10:30	11/12/19 15:54	

Eurofins TestAmerica, Edison

Client Sample Results

Client: Coventry Environmental Associates Inc
Project/Site: 4042 Chest

Job ID: 460-196304-1

Client Sample ID: 4042 Chest-RAW

Lab Sample ID: 460-196304-1

Date Collected: 11/12/19 10:30

Matrix: Water

Date Received: 11/12/19 15:54

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
1,2,4-Trimethylbenzene	0.10	U	0.50	0.10	ug/L		11/15/19 12:11	1	SZD
1,2-Dichloroethane	0.11	U	0.50	0.11	ug/L		11/15/19 12:11	1	SZD
1,3,5-Trimethylbenzene	0.12	U	0.50	0.12	ug/L		11/15/19 12:11	1	SZD
Benzene	0.11	U	0.50	0.11	ug/L		11/15/19 12:11	1	SZD
Ethylbenzene	0.090	U	0.50	0.090	ug/L		11/15/19 12:11	1	SZD
Isopropylbenzene	0.14	U	0.50	0.14	ug/L		11/15/19 12:11	1	SZD
Methyl t-butyl ether	3.4		0.50	0.090	ug/L		11/15/19 12:11	1	SZD
Naphthalene	0.080	U	0.50	0.080	ug/L		11/15/19 12:11	1	SZD
Toluene	0.11	U	0.50	0.11	ug/L		11/15/19 12:11	1	SZD
Xylenes, Total	0.32	U	0.50	0.32	ug/L		11/15/19 12:11	1	SZD

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4	92		70 - 130	11/15/19 12:11	1	SZD
Bromofluorobenzene	93		70 - 130	11/15/19 12:11	1	SZD

Method: 504.1 LL - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
1,2-Dibromoethane	0.0022	U	0.0088	0.0022	ug/L		11/15/19 19:52	1	JCK

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
Pentachloroethane	104		70 - 130	11/15/19 19:52	1	JCK

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	24.1		2.0	0.053	ug/L		11/15/19 20:47	1	DLE

Client Sample ID: Trip Blank

Lab Sample ID: 460-196304-2

Date Collected: 11/12/19 10:30

Matrix: Water

Date Received: 11/12/19 15:54

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
1,2,4-Trimethylbenzene	0.10	U	0.50	0.10	ug/L		11/15/19 10:15	1	SZD
1,2-Dichloroethane	0.11	U	0.50	0.11	ug/L		11/15/19 10:15	1	SZD
1,3,5-Trimethylbenzene	0.12	U	0.50	0.12	ug/L		11/15/19 10:15	1	SZD
Benzene	0.11	U	0.50	0.11	ug/L		11/15/19 10:15	1	SZD
Ethylbenzene	0.090	U	0.50	0.090	ug/L		11/15/19 10:15	1	SZD
Isopropylbenzene	0.14	U	0.50	0.14	ug/L		11/15/19 10:15	1	SZD
Methyl t-butyl ether	0.090	U	0.50	0.090	ug/L		11/15/19 10:15	1	SZD
Naphthalene	0.080	U	0.50	0.080	ug/L		11/15/19 10:15	1	SZD
Toluene	0.11	U	0.50	0.11	ug/L		11/15/19 10:15	1	SZD
Xylenes, Total	0.32	U	0.50	0.32	ug/L		11/15/19 10:15	1	SZD

Surrogate	%Recovery	Qualifier	Limits	Analyzed	Dil Fac	Analyst
1,2-Dichlorobenzene-d4	95		70 - 130	11/15/19 10:15	1	SZD
Bromofluorobenzene	95		70 - 130	11/15/19 10:15	1	SZD

Method: 504.1 LL - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
1,2-Dibromoethane	0.0022	U	0.0088	0.0022	ug/L		11/15/19 20:02	1	JCK

Eurofins TestAmerica, Edison

Client Sample Results

Client: Coventry Environmental Associates Inc
Project/Site: 4042 Chest

Job ID: 460-196304-1

Client Sample ID: Trip Blank

Date Collected: 11/12/19 10:30

Date Received: 11/12/19 15:54

Lab Sample ID: 460-196304-2

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Analyzed</i>	<i>Dil Fac</i>	<i>Analyst</i>
Pentachloroethane	110		70 - 130	11/15/19 20:02	1	JCK

Accreditation/Certification and Definitions Summary

Client: Coventry Environmental Associates Inc
Project/Site: 4042 Chest

Job ID: 460-196304-1

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State	<cert No.>	12-31-21
Georgia	State	12028 (NJ)	06-30-20
New Jersey	NELAP	12028	06-30-20
New York	NELAP	11452	04-01-20
Pennsylvania	NELAP	68-00522	02-28-20
Rhode Island	State	LAO00132	12-30-19
USDA	US Federal Programs	P330-18-00135	05-03-21

Laboratory: Eurofins TestAmerica, Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-20
Alaska	State	GA00006	06-30-20
Alaska (UST)	State	17-016	09-30-20
ANAB	Dept. of Defense ELAP	L2463	09-22-22
ANAB	ISO/IEC 17025	L2463.01	09-22-22
Arizona	State	AZ0808	12-14-19
Arkansas DEQ	State	19-015-0	02-01-20
California	State	2939	06-30-20
Colorado	State	GA00006	12-31-19
Connecticut	State	PH-0161	03-31-21
Florida	NELAP	E87052	06-30-20
GA Dept. of Agriculture	State Program	N/A	06-12-20
Georgia	State	E87052	06-30-20
Georgia (DW)	State	803	06-30-20
Guam	State	19-007R	04-17-20
Hawaii	State	<cert No.>	06-30-20
Indiana	State	C-GA-02	06-30-20
Iowa	State	353	09-22-20
Kansas	NELAP	E-10322	10-15-20
Kentucky (DW)	State	KY90084	12-31-19
Kentucky (UST)	State	<cert No.>	06-30-20
Kentucky (WW)	State	KY90084	12-31-19
Louisiana	NELAP	02011	06-30-20
Louisiana (DW)	State	LA009	12-31-19
Maine	State	GA00006	09-26-20
Maryland	State	250	12-31-19
Massachusetts	State	M-GA006	06-30-20
Michigan	State	9925	06-30-20
Mississippi	State	<cert No.>	06-30-20
Nebraska	State	NE-OS-7-04	06-30-20
New Hampshire	NELAP	2096	05-29-20
New Jersey	NELAP	GA769	06-30-20
New Mexico	State	GA00006	06-30-20
New York	NELAP	10842	04-01-20
North Carolina (DW)	State	13701	07-31-20
North Carolina (WW/SW)	State	269	12-31-19
Oklahoma	State	9984	08-31-20
Pennsylvania	NELAP	68-00474	06-30-20

Accreditation/Certification and Definitions Summary

Client: Coventry Environmental Associates Inc
Project/Site: 4042 Chest

Job ID: 460-196304-1

Laboratory: Eurofins TestAmerica, Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Puerto Rico	State	GA00006	01-01-20
South Carolina	State	98001	06-30-20
Tennessee	State	02961	06-30-20
Texas	NELAP	T1047004185-19-3	11-30-19
Texas	TCEQ Water Supply	T104704185	09-23-20
US Fish & Wildlife	US Federal Programs	LE058448-0	07-31-20
USDA	US Federal Programs	P330-18-00313	10-29-21
Virginia	NELAP	10509	06-14-20
Washington	State	C805	06-10-20
West Virginia (DW)	State	9950C	12-31-19
West Virginia DEP	State	094	11-30-19
Wisconsin	State	999819810	08-31-20
Wyoming	State	8TMS-L	06-30-20 *

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▣	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Coventry Environmental Associates Inc
Project/Site: 4042 Chest

Job ID: 460-196304-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL EDI
504.1 LL	EDB, DBCP and 1,2,3-TCP (GC)	EPA-DW	TAL SAV
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI
504.1	Microextraction	EPA-DW	TAL SAV
FILTRATION	Sample Filtration	None	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

None = None

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Edison

Address: _____

Regulatory Program: ☒ RCRA ☐ NPDES ☐ RCMA ☐ Other: _____

PWS Permit # 3390817

4.6.16.16.2

Chain of Custody Record

364448

eurofins

Environment Testing
TestAmerica

TAL-8210

Client Contact Company Name: <u>Lawrence Environmental Assoc.</u> Address: <u>PO Box 224</u> City/State/Zip: <u>St. Peters MO 64470</u> Phone: <u>610-469-1654</u> Fax: _____ Project Name: <u>4042 Chest</u> Site: _____ P.O. # _____		Project Manager: <u>John W. B. 802 8601</u> Tel: _____ Email: <u>JBW@BCE.com</u> Analysis Turnaround Time: <u>3 days</u> ☒ CALENDAR DAYS ☐ WORKING DAYS TAT if different from below: _____ 1 day ☐ 2 weeks ☐ 1 week ☐ 2 days ☐		Site Contact: _____ Date: _____ Carrier: _____ COC No.: _____ of _____ COCs Sampler: _____ For Lab Use Only: _____ Walk-In Client: _____ Lab Sampling: _____ Job / SDG No.: <u>196304</u> Sample Specific Notes: _____	
Sample Identification Sample Date: <u>4/12/19</u> Sample Time: <u>16130</u> Sample Type: <u>G</u> Matrix: <u>Flu</u> # of Cont.: <u>7</u> Trip blank <u>2</u>		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ PADEP Unloaded and loaded 6:50 PM			
Possible Hazard Identification: <u>1-HCL, 2-H2SO4, 3-HNO3, 4-HNO3, 5-NaOH, 6-Other</u> Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.					
Special Instructions/QC Requirements & Comments: <u>LAB Filter - Lead</u>					
Custody Seal Intact: ☐ Yes ☐ No Relinquished by: <u>John W. B.</u> Company: _____ Date/Time: <u>4/12/19</u> Relinquished by: <u>John W. B.</u> Company: <u>ET&A</u> Date/Time: <u>4/12/19</u> Relinquished by: <u>John W. B.</u> Company: <u>ET&A</u> Date/Time: <u>4/12/19</u>		Cooler Temp. (°C): Obs'd: _____ Cor'd: _____ Therm ID No.: _____ Received by: <u>John W. B.</u> Date/Time: <u>4/12/19</u> Received by: <u>John W. B.</u> Date/Time: <u>4/12/19</u> Received by: <u>John W. B.</u> Date/Time: <u>4/12/19</u>			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months					



Job Number:

196304

Receipt Temperature and pH Log

Number of Coolers:

7

IR Gun #

1000

Cooler Temperatures

RAW		CONNECTED		RAW		CONNECTED		RAW		CONNECTED	
Cooler #1:	4.6 °C	4.6 °C		Cooler #4:	°C	°C		Cooler #7:	°C	°C	
Cooler #2:	°C	°C		Cooler #5:	°C	°C		Cooler #8:	°C	°C	
Cooler #3:	°C	°C		Cooler #6:	°C	°C		Cooler #9:	°C	°C	

[illegible]

Sample No(s). adjusted:

Preservative Name/Conc.:

Volume of Preservative used (ml):

Lot # of Preservative(s):

Expiration Date:

* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials: JK

Date: 11/12/19

Chain of Custody Record



Eurofins

Eurofins TestAmerica, Edison
(732) 549-3679

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 5102 LaRoche Avenue, City: Savannah State: GA 31404 Phone: 912-354-7858 (Tel) 912-352-0165 (Fax) Email: Project Name: 4042 Chest Site:		Lab PM: Miller, Jill K E-Mail: jill.miller@testamericainc.com Accreditations Required (See note): NELAP - Pennsylvania	Carrier Tracking (Note): State of Origin: Pennsylvania Page 1 of 1 Job #: 460-196304-1	COC No: 460-56651.1 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - H2SO4 F - MeOH G - Acetone H - Ascorbic Acid I - Low J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - ASH2O2 P - Na2O4S Q - H2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 X - EDA Z - other (specify)
Analysis Requested Due Date Requested: 11/15/2019 TAT Requested (days): Project #: 46025123 Site:		Field Filtered Sample (Yes or No) ☒ Perform MS/MSD (Yes or No) ☒ SO4 1, LL/SL 1 Prep (MOD) Regulated List		
Sample Identification - Client ID (Lab ID) 4042 Chest-RAW (460-196304-1) Trip Blank (460-196304-2)	Sample Date: 11/12/19 Sample Time: 10:30 Eastern Sample Type (C=Comp, G=grab): Matrix (A=Ashe, B=Solid, C=Chopped, D=Stake, E=Air)	Preservation Code: Water Water	Total Number of Containers: 3 1	
Special Instructions/Note: Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin (listed above for analysis) or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.				
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify): Primary Deliverable Rank: 1				
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months				
Special Instructions/QC Requirements:				
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____				
Relinquished by: _____ Date/Time: 11/12/19 1609 Company: TA-KOP Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____				
Custody Seal No.: _____ Custody Seal Intact: ☒ Yes ☐ No Cooler Temperature(s) °C and Other Remarks: 1.9/20				

October 9, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3062077
Purchase Order:	Workorder ID: 4736 Buckege

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, October 4, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

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



Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3062077 4736 Buckege

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3062077001	4736 Buckege SW	Drinking Water	10/3/2019 15:00	10/4/2019 21:41	Mr. John VanWagenen
3062077002	Trip Blank	Drinking Water	10/4/2019 21:41	10/4/2019 21:41	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3062077 4736 Buckege

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 3062077 4736 Buckege

Sample Comments

Lab ID: 3062077002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3062077 4736 Buckege

Lab ID: 3062077001

Date Collected: 10/3/2019 15:00

Matrix: Drinking Water

Sample ID: 4736 Buckege SW

Date Received: 10/4/2019 21:41

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			10/9/19 06:24	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			10/9/19 06:24	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			10/9/19 06:24	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			10/9/19 06:24	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			10/9/19 06:24	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			10/9/19 06:24	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/9/19 06:24	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/9/19 06:24	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	105		%	70 - 130	EPA 524.2			10/9/19 06:24	PDK	A
4-Bromofluorobenzene (S)	97.9		%	70 - 130	EPA 524.2			10/9/19 06:24	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3062077 4736 Buckege

Lab ID: 3062077002

Date Collected: 10/4/2019 21:41

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 10/4/2019 21:41

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
------------	---------	------	-------	-----	--------	----------	----	----------	----	------

ADMINISTRATIVE

Sample Cancelled

CANCEL

10/9/19 11:45 CPK

Jessica Lee Smith
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3062077 4736 Buckege

Lab ID	Sample ID	Analysis Method	Prep Method
3062077001	4736 Buckege SW	EPA 524.2	

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301 Pulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Work Order #: 3062077 Initials: W Date: 10/7/19

- | | | | |
|--|------------------|------------|-----------|
| 1. Were airbills / tracking numbers present and recorded?..... | <u>NONE</u> | YES | NO |
| Tracking number: _____ | | | |
| 2. Are Custody Seals on shipping containers intact?..... | <u>NONE</u> | <u>YES</u> | NO |
| 3. Are Custody Seals on sample containers intact?..... | <u>NONE</u> | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present?..... | | <u>YES</u> | NO |
| 5. Are the COC and bottle labels complete, legible and in agreement?..... | <u>see</u> | <u>YES</u> | <u>NO</u> |
| 5a. Does the COC contain sample locations?..... | <u>see</u> | <u>YES</u> | NO |
| 5b. Does the COC contain date and time of sample collection for all samples?..... | <u>date 10/3</u> | <u>YES</u> | NO |
| 5c. Does the COC contain sample collectors name?..... | <u>W 10/7/19</u> | <u>YES</u> | NO |
| 5d. Does the COC note the type(s) of preservation for all bottles?..... | | <u>YES</u> | NO |
| 5e. Does the COC note the number of bottles submitted for each sample?..... | | <u>YES</u> | NO |
| 5f. Does the COC note the type of sample, composite or grab?..... | | <u>YES</u> | NO |
| 5g. Does the COC note the matrix of the sample(s)?..... | | <u>YES</u> | NO |
| 6. Are all aqueous samples requiring preservation preserved correctly?..... | <u>N/A</u> | <u>YES</u> | NO |
| 7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... | | <u>YES</u> | NO |
| 8. Are all samples within holding times for the requested analyses?..... | | <u>YES</u> | NO |
| 9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... | | <u>YES</u> | NO |
| 10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... | <u>N/A</u> | <u>YES</u> | NO |
| 11. Were the samples received on ice?..... | | <u>YES</u> | NO |
| 12. Were sample temperatures measured at 0.0-6.0°C..... | | <u>YES</u> | NO |
| 13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... | | YES | <u>NO</u> |
| 13a. Are the samples required for SDWA compliance reporting?..... | <u>N/A</u> | YES | NO |
| 13b. Did the client provide a SDWA PWS ID#?..... | <u>N/A</u> | YES | NO |
| 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... | <u>N/A</u> | YES | NO |
| 13d. Did the client provide the SDWA sample location ID/Description?..... | <u>N/A</u> | YES | NO |
| 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... | <u>N/A</u> | YES | NO |

Cooler #: 1

Temperature (°C): 2

Thermometer ID: 462

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

ALS



301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

October 2, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3060356
Purchase Order:	Workorder ID: 4144 Chestnut

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, September 26, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Jessica Lee Smith
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 3060356 4144 Chestnut

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3060356001	4144 Chestnut	Drinking Water	9/26/2019 12:30	9/26/2019 20:49	Mr. John VanWagenen
3060356002	Trip Blank	Drinking Water	9/26/2019 20:49	9/26/2019 20:49	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3060356 4144 Chestnut

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3060356 4144 Chestnut

Lab ID: **3060356001**
Sample ID: **4144 Chestnut**

Date Collected: 9/26/2019 12:30 Matrix: Drinking Water
Date Received: 9/26/2019 20:49

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/1/19 02:43	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	92.2		%	70 - 130	EPA 524.2			10/1/19 02:43	PDK	A
4-Bromofluorobenzene (S)	90.8		%	70 - 130	EPA 524.2			10/1/19 02:43	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3060356 4144 Chestnut

Lab ID: 3060356002

Date Collected: 9/26/2019 20:49

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 9/26/2019 20:49

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			10/1/19 00:40	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	92		%	70 - 130	EPA 524.2			10/1/19 00:40	PDK	A
4-Bromofluorobenzene (S)	90.1		%	70 - 130	EPA 524.2			10/1/19 00:40	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3060356 4144 Chestnut

Lab ID	Sample ID	Analysis Method	Prep Method
3060356001	4144 Chestnut	EPA 524.2	
3060356002	Trip Blank	EPA 524.2	

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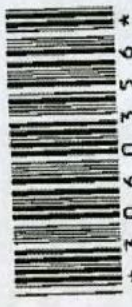


34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page _____ of _____
Courier: _____
Tracking #: _____



Co. Name: County Env Assoc		Phone: 610-469-6540	PO#: same	
Contact (Report to): John Van Wageningen				
Address: Po Box 224				
St. Peters, PA 17170				
Project Name#: 4144 Chestnut		ALS Quote #: _____		
TAT: ☒ Normal-Standard TAT is 10-12 business days.		Date Required: _____		
TAT: ☒ Rush-Subject to ALS approval and surcharges. 3 day		Approved By: _____		
Email? ☐	Fax? ☐	Sample Date	Sample Time	Military Time
Sample Description/Location (as it will appear on the lab report)		COC Comments		
1 4144 Chestnut St		9/26/19 1230 P		
2 Trip Blank		2		
3				
4				
5				
6				
7				
8				

SAMPLED BY (Please Print): John Van Wageningen		Received By / Company Name: ALS		Date: 9/26/19		Time: 1620	
1 John Van Wageningen		2 Revised by Wageningen		3 9/26/19		4 1620	
3 Revised by Wageningen		4 ALS		5 9/26/19		6 1638	
5 COMMON COURIER / ALS		6 ALS		7 9/26/19		8 1638	
7		8		9		10	

Project Comments:		Data Deliverables		SOWA		State Samples	
		Standard ☐ CLP-like ☐ NU-Reduced ☐ NU-Full ☐		Fema? ☐ yes ☐ no		Collected by: MD ☐ NJ ☐ NY ☐ PA ☐	
		If yes, format type: ☐ Other ☐					
		EODs Required? ☐		DOD Criteria Required? ☐			

ALS FIELD SERVICES	
Pickup ☐	Labor ☐
Composite Sampling ☐	Rental Equipment ☐
Other ☐	

COC/Labels completed/accurate? ☐		Received on ice? ☐		(if present) Seals intact? ☐		Custody seals Present? ☐	
Headspace/Volatiles? ☐		Correct preservation? ☐		Correct sample volume? ☐		Correct containers? ☐	
Circle appropriate Y or N.							

ANALYSES/METHOD REQUESTED	
Enter Number of Containers Per Analysis	
1 Drill included 500	
2 Drill included 500	
3 Drill included 500	
4 Drill included 500	
5 Drill included 500	
6 Drill included 500	
7 Drill included 500	
8 Drill included 500	
9 Drill included 500	
10 Drill included 500	

Container Type: Good		Container Size: 100		Preservative: HCC	
Cooler Temp: 5		Therm. ID: 407		No. of Coolers: 1	
Notes:					

Co. Name: _____
Contact (Report to): _____
Address: _____
Project Name#: _____
TAT: ☐ Normal-Standard TAT is 10-12 business days.
TAT: ☐ Rush-Subject to ALS approval and surcharges. _____
Email? ☐ Fax? ☐
Sample Description/Location (as it will appear on the lab report): _____
COC Comments: _____
SAMPLED BY (Please Print): _____
Received By / Company Name: _____
Date: _____ Time: _____
1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____ 9 _____ 10 _____
Project Comments: _____
Data Deliverables: Standard ☐ CLP-like ☐ NU-Reduced ☐ NU-Full ☐
Fema? ☐ yes ☐ no
Collected by: MD ☐ NJ ☐ NY ☐ PA ☐
If yes, format type: ☐ Other ☐
EODs Required? ☐ DOD Criteria Required? ☐
ALS FIELD SERVICES: Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other ☐
COC/Labels completed/accurate? ☐ Received on ice? ☐ (if present) Seals intact? ☐ Custody seals Present? ☐
Headspace/Volatiles? ☐ Correct preservation? ☐ Correct sample volume? ☐ Correct containers? ☐
Circle appropriate Y or N.



301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: <u>Cowenmy</u>	Work Order #: <u>3060364</u>	Initials: <u>EME</u>	Date: <u>9/27/19</u>
1. Were airbills / tracking numbers present and recorded?..... <u>NONE</u> YES NO			
Tracking number: _____			
2. Are Custody Seals on shipping containers intact?..... <u>NONE</u> <u>YES</u> NO			
3. Are Custody Seals on sample containers intact?..... <u>NONE</u> YES NO			
4. Is there a COC (Chain-of-Custody) present?..... YES NO			
5. Are the COC and bottle labels complete, legible and in agreement?..... YES NO			
5a. Does the COC contain sample locations?..... YES NO			
5b. Does the COC contain date and time of sample collection for all samples?..... YES NO			
5c. Does the COC contain sample collectors name?..... YES NO			
5d. Does the COC note the type(s) of preservation for all bottles?..... YES NO			
5e. Does the COC note the number of bottles submitted for each sample?..... YES NO			
5f. Does the COC note the type of sample, composite or grab?..... YES NO			
5g. Does the COC note the matrix of the sample(s)?..... YES NO			
6. Are all aqueous samples requiring preservation preserved correctly?..... N/A YES NO			
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... YES NO			
8. Are all samples within holding times for the requested analyses?..... YES NO			
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... YES NO			
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631 E (LL Hg)?..... N/A YES NO			
11. Were the samples received on ice?..... YES NO			
12. Were sample temperatures measured at 0.0-6.0°C..... YES NO			
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES <u>NO</u>			
13a. Are the samples required for SDWA compliance reporting?..... N/A YES NO			
13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO			
13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO			
13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO			
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO			

Cooler #: _____

Temperature (°C): 0 _____

Thermometer ID: WOL _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

ALS

September 10, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3056324
Purchase Order:	Workorder ID: 4157 Robert

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, September 6, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3056324 4157 Robert

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3056324001	4157 Robert SW	Drinking Water	9/6/2019 09:45	9/6/2019 19:04	Mr. John VanWagenen
3056324002	Trip Blank	Drinking Water	9/6/2019 19:04	9/6/2019 19:04	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3056324 4157 Robert

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3056324 4157 Robert

Lab ID: 3056324001

Date Collected: 9/6/2019 09:45

Matrix: Drinking Water

Sample ID: 4157 Robert SW

Date Received: 9/6/2019 19:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/10/19 04:59	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	99.8		%	70 - 130	EPA 524.2			9/10/19 04:59	PDK	A
4-Bromofluorobenzene (S)	97.6		%	70 - 130	EPA 524.2			9/10/19 04:59	PDK	A



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Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3056324 4157 Robert

Lab ID: 3056324002

Date Collected: 9/6/2019 19:04

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 9/6/2019 19:04

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/10/19 00:27	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	98.7		%	70 - 130	EPA 524.2			9/10/19 00:27	PDK	A
4-Bromofluorobenzene (S)	108		%	70 - 130	EPA 524.2			9/10/19 00:27	PDK	A



Jessica Lee Smith
Project Coordinator

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3056324 4157 Robert

Lab ID	Sample ID	Analysis Method	Prep Method
3056324001	4157 Robert SW	EPA 524.2	
3056324002	Trip Blank	EPA 524.2	

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301 Filling Mill Road
Middletown, PA 17057
P: 717-944-5541
F: 717-944-1430

CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
SAMPLER. INSTRUCTIONS ON THE BACK.

Client Name: <u>County Env. Assoc</u>		Container Type: <u>glass</u>	W.O. Temp: <u>4</u> Therm ID: <u>402</u>	
Address: <u>PO Box 224</u>		Container Size: <u>100ml</u>	Analyst Initials: _____	
<u>St. Peters, PA 19470</u>		Personnel: <u>HC</u>	Courier/Tracking #: _____	
Contact: <u>John Van Wageningen</u>		Purchase Order #: _____		
Phone#: <u>610-469-8540</u>		Project Comments: _____		
Project Name#: <u>4157 Robert</u>		ALS Field Services: ☐ Pickup ☐ Labor		
Bill To: <u>same</u>		☐ Composite Sampling ☐ Rental Equipment		
TAT ☐ Normal-Standard TAT is 10-12 business days.		Other: _____		
Date Required: <u>3 day - Approved?</u>		Sample/COC Comments: _____		
Email? ☐ .Y ☐ .N ☐				
Fax? ☐ .Y ☐ .N ☐				
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yy	Time hh:mm	Enter Number of Containers Per Sample or Field Results Below.
1 <u>4157 Robert Sw</u>		<u>9.6.19</u>	<u>7:15</u>	<u>3</u>
2 <u>Trip blank</u>				<u>2</u>
3				
4				
5				
6				
7				
8				
9				
10				
SAMPLER COMMENTS: <u>John Van Wageningen</u>				
Relinquished By / Company Name		Date	Time	Received By / Company Name
1 <u>John Van Wageningen</u>		<u>9.6.19</u>	<u>1547</u>	<u>Beverly Wapner</u>
3 <u>Robert Wapner</u>		<u>9.6.19</u>	<u>1606</u>	<u>4</u>
5 <u>Robert Wapner</u>				<u>6</u>
7				<u>8</u>
9				<u>10</u>
State Samples Collected In		Special Processing		
☐ NY ☐ NJ ☐ PA		☐ USACE ☐ CLP-like ☐ USACE/DOD		
Reportable to PADEP?		Sample Disposal		
Yes ☐ No ☐		Lab ☐ Special ☐		
PWSID #		EDDS: Formal Type-		
		other		



301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Lancaster Env Work Order #: 3056324 Initials: CS Date: 9/6/19

1. Were airbills / tracking numbers present and recorded?..... NONE YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE YES NO
3. Are Custody Seals on sample containers intact?..... NONE YES NO
4. Is there a COC (Chain-of-Custody) present?..... YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... YES NO
- 5a. Does the COC contain sample locations?..... YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... YES NO
- 5c. Does the COC contain sample collectors name?..... YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... YES NO
- 5f. Does the COC note the type of sample, composite or grab?..... YES NO
- 5g. Does the COC note the matrix of the sample(s)?..... YES NO
6. Are all aqueous samples requiring preservation preserved correctly?..... N/A YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... YES NO
8. Are all samples within holding times for the requested analyses?..... YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... N/A YES NO
11. Were the samples received on ice?..... YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... YES NO
13. Are the samples DW matrix? If YES, fill out Reportable Drinking Water questions below..... YES NO
- 13a. Are the samples required for SDWA compliance reporting?..... N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO

Cooler #: _____

Temperature (°C): 4 _____

Thermometer ID: 402 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

September 6, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3054855
Purchase Order:	Workorder ID: 4054 Chestnut

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 29, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3054855 4054 Chestnut

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3054855001	4054 Chestnut SW	Drinking Water	8/28/2019 11:00	8/29/2019 22:20	Mr. John VanWagenen
3054855002	Trip Blank	Drinking Water	8/29/2019 22:20	8/29/2019 22:20	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3054855 4054 Chestnut

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3054855 4054 Chestnut

Lab ID: **3054855001**

Date Collected: 8/28/2019 11:00

Matrix: Drinking Water

Sample ID: **4054 Chestnut SW**

Date Received: 8/29/2019 22:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			9/5/19 08:33	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			9/5/19 08:33	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			9/5/19 08:33	PDK	A
Methyl t-Butyl Ether	11.8		ug/L	0.50	EPA 524.2			9/5/19 08:33	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			9/5/19 08:33	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			9/5/19 08:33	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/5/19 08:33	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/5/19 08:33	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	90.3		%	70 - 130	EPA 524.2			9/5/19 08:33	PDK	A
4-Bromofluorobenzene (S)	86.5		%	70 - 130	EPA 524.2			9/5/19 08:33	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3054855 4054 Chestnut

Lab ID: 3054855002

Date Collected: 8/29/2019 22:20

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 8/29/2019 22:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			9/6/19 03:11	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			9/6/19 03:11	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			9/6/19 03:11	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			9/6/19 03:11	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			9/6/19 03:11	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			9/6/19 03:11	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/6/19 03:11	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/6/19 03:11	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	94.1		%	70 - 130	EPA 524.2			9/6/19 03:11	PDK	A
4-Bromofluorobenzene (S)	107		%	70 - 130	EPA 524.2			9/6/19 03:11	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3054855 4054 Chestnut

Lab ID	Sample ID	Analysis Method	Prep Method
3054855001	4054 Chestnut SW	EPA 524.2	
3054855002	Trip Blank	EPA 524.2	

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301 Filling Mill Road
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY /

REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:

ALS Quote:



Client Name: <u>Cowcountry Env. Assoc.</u>		Container Type: <u>glass</u>		
Address: <u>P.O. Box 224</u>		Container Size: <u>12L</u>		
<u>St. Peters, PA 19470</u>		Preservative: <u>None</u>		
Contact: <u>John Van Wageningen</u>		ANALYSES/METHOD REQUESTED		
Phone #: <u>610-469-1054</u>				
Project Name #: <u>4054 Chestnut</u>				
Bill To: <u>Same</u>				
TAT ☒ Normal-Standard TAT is 10-12 business days.				
Date Required: ☒ Rush-Subject to ALS approval and surcharges.				
Email? ☐ -Y No: ☐ -Y No: ☐				
Fax? ☐ -Y No: ☐ -Y No: ☐				
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yy	Time hh:mm	
1 <u>4054 Chestnut sw</u>		<u>8/28/18</u>	<u>11:00</u>	
2 <u>trip blank</u>				
3				
4				
5				
6				
7				
8				
9				
10				
SAMPLER COMMENTS: <u>John Van Wageningen</u>				
Relinquished By / Company Name		Date	Time	Received By / Company Name
1 <u>John Van Wageningen</u>		<u>8/29/19</u>	<u>1520</u>	<u>John Van Wageningen</u>
3 <u>John Van Wageningen</u>		<u>8/29/19</u>	<u>1525</u>	<u>John Van Wageningen</u>
5 <u>John Van Wageningen</u>				
7 <u>John Van Wageningen</u>				
9				
Enter Number of Containers Per Sample or Field Results Below.				
Matrix				
G or C				
1 <u>3</u>				
2 <u>2</u>				
3				
4				
5				
6				
7				
8				
9				
10				
ALS Field Services: ☐ Pickup ☐ Labor				
☐ Composite Sampling ☐ Rental Equipment				
Other:				
Sample/COC Comments				
Deliverables				
☐ Standard ☐ CLP-like ☐ USACE/DOD				
Special Processing				
☐ USACE ☐ Sample Disposal ☐ Lab ☐ Special				
State Samples Collected In				
☐ NY ☐ NJ ☐ PA ☐ other				
Reportable to PA DEP? Yes ☐ No ☐				
PWSID #				
EDDS: Format Type				

* G=Grab; C=Composite

**Matrix - AL=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Filling Mill Road, Middletown, PA 17057

Rev 04/19



301 Fulling Mill Road
Middletown, PA 17057

P: (717) 944-5541

F: (717) 944-1430

Condition of Sample Receipt Form

Client:

Coventry

Work Order #:

3064855

Initials:

Date:

UN 8-21-19

1	Were airbills / tracking numbers present and recorded?.....	<u>NONE</u>	YES	NO
	Tracking number: _____			
2	Are Custody Seals on shipping containers intact?.....	<u>NONE</u>	<u>YES</u>	NO
3	Are Custody Seals on sample containers intact?.....	<u>NONE</u>	YES	NO
4	Is there a COC (Chain-of-Custody) present?.....	<u>YES</u>	<u>YES</u>	NO
5	Are the COC and bottle labels complete, legible and in agreement?.....	<u>YES</u>	<u>YES</u>	NO
	5a. Does the COC contain sample locations?.....	<u>YES</u>	<u>YES</u>	NO
	5b. Does the COC contain date and time of sample collection for all samples?.....	<u>YES</u>	<u>YES</u>	NO
	5c. Does the COC contain sample collectors name?.....	<u>YES</u>	<u>YES</u>	NO
	5d. Does the COC note the type(s) of preservation for all bottles?.....	<u>YES</u>	<u>YES</u>	NO
	5e. Does the COC note the number of bottles submitted for each sample?.....	<u>YES</u>	<u>YES</u>	NO
	5f. Does the COC note the type of sample, composite or grab?.....	<u>YES</u>	<u>YES</u>	NO
	5g. Does the COC note the matrix of the sample(s)?.....	<u>YES</u>	<u>YES</u>	NO
6	Are all aqueous samples requiring preservation preserved correctly?	N/A	<u>YES</u>	NO
7	Were all samples placed in the proper containers for the requested analyses, with sufficient volume?.....	<u>YES</u>	<u>YES</u>	NO
8	Are all samples within holding times for the requested analyses?.....	<u>YES</u>	<u>YES</u>	NO
9	Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.).....	<u>YES</u>	<u>YES</u>	NO
10	Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?.....	N/A	<u>YES</u>	NO
11	Were the samples received on ice?.....	<u>YES</u>	<u>YES</u>	NO
12	Were sample temperatures measured at 0.0-6.0°C.....	<u>YES</u>	<u>YES</u>	NO
13	Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below.....	<u>YES</u>	<u>YES</u>	<u>NO</u>
	13a. Are the samples required for SDWA compliance reporting?.....	N/A	YES	NO
	13b. Did the client provide a SDWA PWS ID#?.....	N/A	YES	NO
	13c. Are all aqueous unpreserved SDWA samples pH 5-9?.....	N/A	YES	NO
	13d. Did the client provide the SDWA sample location ID/Description?.....	N/A	YES	NO
	13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?.....	N/A	YES	NO

Cooler #: 1

Temperature (°C): 6

Thermometer ID: 463

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

September 6, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name:	UST Testing	Workorder:	3054856
Purchase Order:		Workorder ID:	4030 Miller #2

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 29, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3054856 4030 Miller #2

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3054856001	4030 Miller #2 SW	Drinking Water	8/29/2019 09:00	8/29/2019 22:20	Mr. John VanWagenen
3054856002	Trip Blank	Drinking Water	8/29/2019 22:20	8/29/2019 22:20	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3054856 4030 Miller #2

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3054856 4030 Miller #2

Lab ID: 3054856001

Date Collected: 8/29/2019 09:00

Matrix: Drinking Water

Sample ID: 4030 Miller #2 SW

Date Received: 8/29/2019 22:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			9/4/19 17:24	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			9/4/19 17:24	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			9/4/19 17:24	TMP	A
Methyl t-Butyl Ether	1.0		ug/L	0.50	EPA 524.2			9/4/19 17:24	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			9/4/19 17:24	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			9/4/19 17:24	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/4/19 17:24	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/4/19 17:24	TMP	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	89.8		%	70 - 130	EPA 524.2			9/4/19 17:24	TMP	A
4-Bromofluorobenzene (S)	86.2		%	70 - 130	EPA 524.2			9/4/19 17:24	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3054856 4030 Miller #2

Lab ID: 3054856002

Date Collected: 8/29/2019 22:20

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 8/29/2019 22:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			9/5/19 17:30	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			9/5/19 17:30	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			9/5/19 17:30	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			9/5/19 17:30	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			9/5/19 17:30	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			9/5/19 17:30	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/5/19 17:30	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			9/5/19 17:30	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	97.7		%	70 - 130	EPA 524.2			9/5/19 17:30	TMP	A
4-Bromofluorobenzene (S)	104		%	70 - 130	EPA 524.2			9/5/19 17:30	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3054856 4030 Miller #2

Lab ID	Sample ID	Analysis Method	Prep Method
3054856001	4030 Miller #2 SW	EPA 524.2	
3054856002	Trip Blank	EPA 524.2	

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301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Work Order #: 3054856 Initials: lw Date: 8-29-20

1. Were airbills / tracking numbers present and recorded?..... NONE YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE YES NO
3. Are Custody Seals on sample containers intact?..... NONE YES NO
4. Is there a COC (Chain-of-Custody) present?..... YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... YES NO
- 5a. Does the COC contain sample locations?..... YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... YES NO
- 5c. Does the COC contain sample collectors name?..... YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... YES NO
- 5f. Does the COC note the type of sample, composite or grab?..... YES NO
- 5g. Does the COC note the matrix of the sample(s)?..... YES NO
6. Are all aqueous samples requiring preservation preserved correctly?..... N/A YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... YES NO
8. Are all samples within holding times for the requested analyses?..... YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... N/A YES NO
11. Were the samples received on ice?..... YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... YES NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES NO
- 13a. Are the samples required for SDWA compliance reporting?..... N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO

Cooler #: 1

Temperature (°C): 6

Thermometer ID: 463

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

August 30, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3052078
Purchase Order:	Workorder ID: 4144 Chest 08/15/19

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 15, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3052078 4144 Chest 08/15/19

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3052078001	41411 Chest SW	Drinking Water	8/15/2019 14:00	8/15/2019 21:53	Collected by Client
3052078002	Trip Blank	Drinking Water	8/15/2019 21:53	8/15/2019 21:53	Collected by Client

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SAMPLE SUMMARY

Workorder: 3052078 4144 Chest 08/15/19

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 3052078 4144 Chest 08/15/19

Workorder Comments

See attached subcontract data from Eurofins Lancaster Laboratories. AKB 08/30/19

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ANALYTICAL RESULTS

Workorder: 3052078 4144 Chest 08/15/19

Lab ID: **3052078001**

Date Collected: 8/15/2019 14:00

Matrix: Drinking Water

Sample ID: **41411 Chest SW**

Date Received: 8/15/2019 21:53

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
------------	---------	------	-------	-----	--------	----------	----	----------	----	------

SUBCONTRACTED ANALYSIS

Subcontracted Analysis

SEE
ATTACHE
D FROM
ELL

Subcontract

8/20/19 13:33 SUB

Jessica Lee Smith
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 3052078 4144 Chest 08/15/19

Lab ID: **3052078002**

Date Collected: 8/15/2019 21:53

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 8/15/2019 21:53

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
------------	---------	------	-------	-----	--------	----------	----	----------	----	------

ADMINISTRATIVE

Sample Cancelled

TRIP
BLANK
NOT
ANALYZE
D

8/30/19 13:11 SUB

Jessica Lee Smith
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3052078 4144 Chest 08/15/19

Lab ID	Sample ID	Analysis Method	Prep Method
3052078001	41411 Chest SW	Subcontract	

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ALS Environmental
301 Fulling Mill Rd.
Middletown PA 17057

Report Date: August 30, 2019 11:57

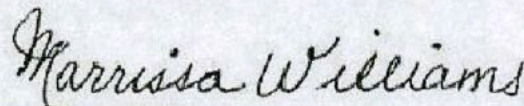
Project: 3052078

Account #: 00943
Group Number: 2059700
PO Number: 3052078
State of Sample Origin: PA

Electronic Copy To ALS Environmental
Electronic Copy To ALS Environmental

Attn: Subcontract Reports
Attn: Jessica Smith

Respectfully Submitted,



Marissa Williams
Project Manager

(717) 556-7246

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/>. Historical copies may be requested through your project manager.



SAMPLE INFORMATION

Client Sample Description

3052078 001 Grab Potable Water
3052078 002 Grab Water

Sample Collection

Date/Time

08/15/2019 14:00
08/15/2019

ELLE#

1130264
1130265

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: 3052078 001 Grab Potable Water
3052078

Project Name: 3052078

Submittal Date/Time: 08/20/2019 13:33
Collection Date/Time: 08/15/2019 14:00

ALS Environmental
ELLE Sample #: PW 1130264
ELLE Group #: 2059700
Matrix: Potable Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit ^a	Limit of Quantitation	Dilution Factor
GC/MS Volatiles		EPA 524.2	mg/l	mg/l	mg/l	
03648	Benzene	71-43-2	N.D.	0.0001	0.0005	1
03648	Ethylbenzene	100-41-4	N.D.	0.0001	0.0005	1
03648	Isopropylbenzene	98-82-8	N.D.	0.0001	0.0005	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	0.0001 J	0.0001	0.0005	1
03648	Naphthalene	91-20-3	N.D.	0.0002	0.0005	1
03648	Toluene	108-88-3	N.D.	0.0001	0.0005	1
03648	1,2,4-Trimethylbenzene	95-83-6	N.D.	0.0001	0.0005	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.0001	0.0005	1
03648	Xylene (Total)	1330-20-7	N.D.	0.0003	0.0010	1

Sample Comments

PA DEP Lab Certification ID 35-00037, Expiration Date: 1/31/20.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VO Cs- 25ml Water by 524.2	EPA 524.2	1	K182401AA	08/28/2019 19:02	Don V Viray	1

^a=This limit was used in the evaluation of the final result

Sample Description: 3052078 002 Grab Water
3052078

Project Name: 3052078

Submittal Date/Time: 08/20/2019 13:33
Collection Date/Time: 08/15/2019

ALS Environmental
ELLE Sample #: PW 1130265
ELLE Group #: 2059700
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles		EPA 524.2	mg/l	mg/l	mg/l	
03648	Benzene	71-43-2	N.D.	0.0001	0.0005	1
03648	Ethylbenzene	100-41-4	N.D.	0.0001	0.0005	1
03648	Isopropylbenzene	98-82-8	N.D.	0.0001	0.0005	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0001	0.0005	1
03648	Naphthalene	91-20-3	N.D.	0.0002	0.0005	1
03648	Toluene	108-88-3	N.D.	0.0001	0.0005	1
03648	1,2,4-Trimethylbenzene	95-83-6	N.D.	0.0001	0.0005	1
03648	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.0001	0.0005	1
03648	Xylene (Total)	1330-20-7	N.D.	0.0003	0.0010	1

The requirement for no headspace at the time of analysis was not met. The container used for the testing had headspace at the time of analysis.

Sample Comments

PA DEP Lab Certification ID 38-00037, Expiration Date: 1/31/20.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VO Cs- 25ml Water by 524.2	EPA 524.2	1	K182401AA	08/28/2019 18:39	Don V Viray	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ALS Environmental
Reported: 08/30/2019 11:57

Group Number: 2059700

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: K192401AA	Sample number(s): 1130264-1130265		
Benzene	N.D.	0.0001	0.0005
Ethylbenzene	N.D.	0.0001	0.0005
Isopropylbenzene	N.D.	0.0001	0.0005
Methyl Tertiary Butyl Ether	N.D.	0.0001	0.0005
Naphthalene	N.D.	0.0002	0.0005
Toluene	N.D.	0.0001	0.0005
1,2,4-Trimethylbenzene	N.D.	0.0001	0.0005
1,3,5-Trimethylbenzene	N.D.	0.0001	0.0005
Xylene (Total)	N.D.	0.0003	0.0010

LCS/LCSD

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: K192401AA	Sample number(s): 1130264-1130265								
Benzene	0.00500	0.00486			97		70-130		
Ethylbenzene	0.00500	0.00532			106		70-130		
Isopropylbenzene	0.00500	0.00532			106		70-130		
Methyl Tertiary Butyl Ether	0.00500	0.00577			115		70-130		
Naphthalene	0.00500	0.00537			107		70-130		
Toluene	0.00500	0.00486			99		70-130		
1,2,4-Trimethylbenzene	0.00500	0.00525			105		70-130		
1,3,5-Trimethylbenzene	0.00500	0.00535			107		70-130		
Xylene (Total)	0.0150	0.0159			106		70-130		

*- Outside of specification

**This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control SummaryClient Name: ALS Environmental
Reported: 08/30/2019 11:57

Group Number: 2059700

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 25ml Water by 524.2

Batch number: K192401AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
1130264	85	103
1130265	97	106
Blank	89	99
LCS	107	110
Limits:	80-120	80-120

*- Outside of specification

**-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.



301 Fulling Mill Rd
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:	of
ALS Quote #:	

Client Name: ALS Global-Middletown		Container Type		G	G								Receipt Information (completed by Receiving Lab)		
Address: 301 Fulling Mill Rd Middletown PA 17057		Container Size		40mL	40mL								W.O. Temp: _____ Therm ID: _____		
Contact: Jessica Smith		Preservative		Asc+HCL	Asc+HCL								Courier/Tracking #:		
Phone#: 717-702-2248		ANALYSES/METHOD REQUESTED													
Project Name/#: 3052078		Purchase Order #:													
Bill To: ALS Global		Project Comments:													
TAT ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.		524.2 VOC - PA UNLEADED GAS PARAMETERS Trip Blank Please run Subcontract to: Euorflins													
Date Required: 8/16/19 Approved?															
Email? ☒ Y Jessica.smith@alsglobal.com															
Fax? ☐ Y No.															
ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment Other: _____															
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yy		Time hh:mm		*G or C **Matrix		Enter Number of Containers Per Sample or Field Results Below.						Sample/COC Comments	
1	3052078 001	8/15/19	14:00	G	DW	3									
2	3052078 002	8/15/19	0000	G	DI			2							
3															
4															
5															
6															
7															
8															
9															
10															
SAMPLED BY (Please Print):		SAMPLER COMMENTS:													
Relinquished By / Company Name		Date	Time	Received By / Company Name		Date	Time	Data Deliverables		Special Processing		State Samples Collected In			
1 <i>[Signature]</i> ALS		8/20/19	1245	2 <i>[Signature]</i> ALS		8/20/19	1245	☒ Standard ☐ CLP-like ☐ USACE/DOD ☐ DOD		USACE ☐ Navy ☐		☐ NY ☐ NJ			
3 <i>[Signature]</i> ALS		8/20/19	1333	4 <i>[Signature]</i>				Reportable to PADEP?		Sample Disposal		☒ PA			
5				6				Yes ☐ No ☒		Lab ☐		☐ NC			
7				8				PWSID #		Special ☐		☐			
9				10 <i>[Signature]</i>		8/20/19	1333	EDDS: Format Type-				other			

*G=Grab; C=Composite

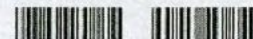
**Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, MIDDLETOWN, PA 17057

Rev 11/18

Sample Administration
Receipt Documentation Log

Doc Log ID: 257633



Group Number(s): 205A700

Client: ALS Global-Middletown

3052078

Delivery and Receipt Information

Delivery Method: Client Drop Off Arrival Timestamp: 08/20/2019 13:33
Number of Packages: 1 Number of Projects: 1
State/Province of Origin: PA

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	Asc. Acid
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Nicole Reiff (25 684) at 13:50 on 08/20/2019

Samples Chilled Details: 3052078

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Matrix	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	Water	192099060	1.7	IR	Wet	Y	Loose	N

Sample Date/Time Discrepancy Details: 3052078

Sample ID on COC	Date/Time on Label	Comments
3052078002	8/15/2019 21:53	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents	MCL	Maximum Contamination Limit
mg	milligram(s)		
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value $\geq$ the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $> 40\%$. The lower result is reported.
P^	Concentration difference between the primary and confirmation column $> 40\%$. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $> 100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report
B	Detection in the Blank
Q0	LC S/LC SD Low
Q1	LC S/LC SD High
Q2	MS/M SD Low
Q3	MS/M SD High
Q7	LC S/LC SD RPD
Q8	DUP RPD
Q9	MS/M SD RPD

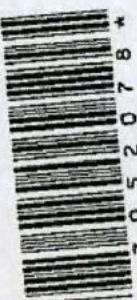
Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



301 Fulling Mill Road
Middletown, PA 17057
P: 717-944-5541
F: 717-944-1430

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

C AL



of

Client Name: <u>Cornway Env. Assoc.</u>		Container Type: <u>glass</u>		
Address: <u>PO Box 224</u>		Container Size: <u>1/2 gal</u>		
<u>St. Peter, PA 19470</u>		Preservation: <u>REF</u>		
Contact: <u>John Van Wagoner</u>		ANALYSES/METHOD REQUESTED		
Phone#: <u>610-469-6540</u>				
Project Name#: <u>4144 Chest</u>				
Bill To: <u>same</u>				
☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges. Date Required: <u>48</u> Approved? <u>48</u>				
Email? ☐ -Y	Fax? ☐ -Y No:			
Sample Description/Location (as it will appear on the lab report)		Date Collected month/day	Time hh:mm	Matrix G or C
1 <u>4144 Chest SW</u>		<u>8/15/19</u>	<u>14:00</u>	<u>C</u>
2 <u>Trig Blank</u>				<u>C</u>
3				
4				
5				
6				
7				
8				
9				
10				

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SAMPLER COMMENTS:	
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301 Fulfilling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Work Order #: 3052078 Initials: DN Date: 8/16

1. Were airbills / tracking numbers present and recorded?..... ☒ NONE YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE ☒ YES NO
3. Are Custody Seals on sample containers intact?..... NONE ☒ YES NO
4. Is there a COC (Chain-of-Custody) present?..... ☒ YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... ☒ YES NO
- 5a. Does the COC contain sample locations?..... ☒ YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... ☒ YES NO
- 5c. Does the COC contain sample collectors name?..... ☒ YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... ☒ YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... ☒ YES NO
- 5f. Does the COC note the type of sample, composite or grab?..... ☒ YES NO
- 5g. Does the COC note the matrix of the sample(s)?..... ☒ YES NO
6. Are all aqueous samples requiring preservation preserved correctly?..... N/A YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... ☒ YES NO
8. Are all samples within holding times for the requested analyses?..... ☒ YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... ☒ YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... N/A ☒ YES NO
11. Were the samples received on ice?..... ☒ YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... ☒ YES NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES ☒ NO
- 13a. Are the samples required for SDWA compliance reporting?..... N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... N/A YES NO

Cooler #: _____
Temperature (°C): 2 _____
Thermometer ID: 318 _____
Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

ALS

August 23, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3052079
Purchase Order:	Workorder ID: 4102 Chest

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 15, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

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



Jessica Lee Smith
Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver · Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

**SAMPLE SUMMARY**Workorder: 3052079 4102 Chest

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3052079001	4102 Chest SW	Drinking Water	8/15/2019 13:30	8/15/2019 21:53	Collected by Client
3052079002	Trip Blank	Drinking Water	8/15/2019 21:53	8/15/2019 21:53	Collected by Client

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

SAMPLE SUMMARY

Workorder: 3052079 4102 Chest

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

ALS Environmental Laboratory Locations Across North America

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ANALYTICAL RESULTS

Workorder: 3052079 4102 Chest

Lab ID: 3052079001

Date Collected: 8/15/2019 13:30

Matrix: Drinking Water

Sample ID: 4102 Chest SW

Date Received: 8/15/2019 21:53

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:20	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:20	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:20	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/22/19 15:20	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:20	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:20	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:20	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:20	TMP	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	91.6		%	70 - 130	EPA 524.2			8/22/19 15:20	TMP	A
4-Bromofluorobenzene (S)	93.1		%	70 - 130	EPA 524.2			8/22/19 15:20	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3052079 4102 Chest

Lab ID: **3052079002**

Date Collected: 8/15/2019 21:53

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 8/15/2019 21:53

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:44	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:44	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:44	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/22/19 15:44	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:44	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:44	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:44	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 15:44	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	95.1		%	70 - 130	EPA 524.2			8/22/19 15:44	TMP	A
4-Bromofluorobenzene (S)	98.1		%	70 - 130	EPA 524.2			8/22/19 15:44	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3052079 4102 Chest

Lab ID	Sample ID	Analysis Method	Prep Method
3052079001	4102 Chest SW	EPA 524.2	
3052079002	Trip Blank	EPA 524.2	

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301 Fulling Mill Road
Middletown, PA 17057
P: 717-944-5541
F: 717-944-1430

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



Client Name: <u>Cowart Ex. Assoc</u>		Container Type: <u>plastic</u>	ANALYSES/METHOD REQUESTED		
Address: <u>PO Box 224</u>		Container Size: <u>Vial</u>			
City: <u>St. Peters, PA 19470</u>		Preservative: <u>None</u>			
Contact: <u>John Van Wageningen</u>					
Phone#: <u>610-459-7654</u>					
Project Name#: <u>4102 Ches</u>					
Bill To: <u>same</u>					
TAT ☐ Normal-Standard TAT is 10-12 business days.					
Date Required: ☒ Rush-Subject to ALS approval and surcharges.					
Email? ☐ -Y					
Fax? ☐ -Y No:					
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yy	Time hh:mm	Enter Number of Containers Per Sample or Field Results Below.	
1 <u>4102 Chatsa</u>		<u>8/15/19</u>	<u>1330</u>	<u>3</u>	
2 <u>Trip Blank</u>				<u>2</u>	
3					
4					
5					
6					
7					
8					
9					
10					
SAMPLER COMMENTS: <u>John Van Wageningen</u>					
Received By / Company Name		Date	Time	Date	Time
1 <u>John Van Wageningen</u>		<u>8/14</u>	<u>1830</u>	<u>2</u>	<u>8/14</u>
3 <u>John Van Wageningen</u>		<u>8/14</u>	<u>1830</u>	<u>4</u>	<u>8/14</u>
5 <u>John Van Wageningen</u>				<u>6</u>	<u>8/15/19</u>
7 <u>John Van Wageningen</u>				<u>8</u>	<u>8/15/19</u>
9				<u>10</u>	
Slate Samples Collected In		Special Processing			
NY ☐ NJ ☐ PA ☐		USACE ☐ USACE/DOD ☐			
Sample Disposal Lab ☐ Special ☐		Reportable to PADEP? Yes ☐ No ☐			
PWSID #		EDDS: Formal Type-			



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F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Work Order #: 3052079 Initials: DN Date: 8/16

- | | | | |
|--|-------------|------------|-----------|
| 1. Were airbills / tracking numbers present and recorded?..... | <u>NONE</u> | YES | NO |
| Tracking number: _____ | | | |
| 2. Are Custody Seals on shipping containers intact?..... | <u>NONE</u> | <u>YES</u> | NO |
| 3. Are Custody Seals on sample containers intact?..... | <u>NONE</u> | <u>YES</u> | NO |
| 4. Is there a COC (Chain-of-Custody) present?..... | | <u>YES</u> | NO |
| 5. Are the COC and bottle labels complete, legible and in agreement?..... | | <u>YES</u> | NO |
| 5a. Does the COC contain sample locations?..... | | <u>YES</u> | NO |
| 5b. Does the COC contain date and time of sample collection for all samples?..... | | <u>YES</u> | NO |
| 5c. Does the COC contain sample collectors name?..... | | <u>YES</u> | NO |
| 5d. Does the COC note the type(s) of preservation for all bottles?..... | | <u>YES</u> | NO |
| 5e. Does the COC note the number of bottles submitted for each sample?..... | | <u>YES</u> | NO |
| 5f. Does the COC note the type of sample, composite or grab?..... | | <u>YES</u> | NO |
| 5g. Does the COC note the matrix of the sample(s)?..... | | <u>YES</u> | NO |
| 6. Are all aqueous samples requiring preservation preserved correctly?..... | <u>N/A</u> | YES | NO |
| 7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... | | <u>YES</u> | NO |
| 8. Are all samples within holding times for the requested analyses?..... | | <u>YES</u> | NO |
| 9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... | | <u>YES</u> | NO |
| 10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... | <u>N/A</u> | <u>YES</u> | NO |
| 11. Were the samples received on ice?..... | | <u>YES</u> | NO |
| 12. Were sample temperatures measured at 0.0-6.0°C..... | | <u>YES</u> | NO |
| 13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... | | YES | <u>NO</u> |
| 13a. Are the samples required for SDWA compliance reporting?..... | <u>N/A</u> | YES | NO |
| 13b. Did the client provide a SDWA PWS ID#?..... | <u>N/A</u> | YES | NO |
| 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... | <u>N/A</u> | YES | NO |
| 13d. Did the client provide the SDWA sample location ID/Description?..... | <u>N/A</u> | YES | NO |
| 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... | <u>N/A</u> | YES | NO |

Cooler #: _____
Temperature (°C): 4 _____
Thermometer ID: 318 _____
Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019



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State Certifications: FL E871113, WA C999, MD 128, VA 460157, WV DW 9961-C, WV 343

August 23, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3052080
Purchase Order:	Workorder ID: 4690 Bachege

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 15, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3052080 4690 Bachege

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3052080001	4690 Bachege SW	Drinking Water	8/15/2019 14:30	8/15/2019 21:53	Collected by Client
3052080002	Trip Blank	Drinking Water	8/15/2019 21:53	8/15/2019 21:53	Collected by Client

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SAMPLE SUMMARY

Workorder: 3052080 4690 Bachege

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3052080 4690 Bachege

Lab ID: **3052080001**
Sample ID: **4690 Bachege SW**

Date Collected: 8/15/2019 14:30 Matrix: Drinking Water
Date Received: 8/15/2019 21:53

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:09	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:09	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:09	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/22/19 16:09	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:09	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:09	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:09	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:09	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	90.4		%	70 - 130	EPA 524.2			8/22/19 16:09	TMP	A
4-Bromofluorobenzene (S)	89.5		%	70 - 130	EPA 524.2			8/22/19 16:09	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3052080 4690 Bachege

Lab ID: 3052080002

Date Collected: 8/15/2019 21:53

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 8/15/2019 21:53

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:34	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:34	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:34	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/22/19 16:34	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:34	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:34	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:34	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/22/19 16:34	TMP	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	90.6		%	70 - 130	EPA 524.2			8/22/19 16:34	TMP	A
4-Bromofluorobenzene (S)	89.9		%	70 - 130	EPA 524.2			8/22/19 16:34	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3052080 4690 Bachege

Lab ID	Sample ID	Analysis Method	Prep Method
3052080001	4690 Bachege SW	EPA 524.2	
3052080002	Trip Blank	EPA 524.2	

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301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Work Order #: 3052000 Initials: DN Date: 8/17/16

1. Were airbills / tracking numbers present and recorded?..... ☒ NONE YES NO
Tracking number: _____
2. Are Custody Seals on shipping containers intact?..... NONE ☒ YES NO
3. Are Custody Seals on sample containers intact?..... NONE ☒ YES NO
4. Is there a COC (Chain-of-Custody) present?..... ☒ YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... ☒ YES NO
- 5a. Does the COC contain sample locations?..... ☒ YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... ☒ YES NO
- 5c. Does the COC contain sample collector's name?..... ☒ YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... ☒ YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... ☒ YES NO
- 5f. Does the COC note the type of sample, composite or grab?..... ☒ YES NO
- 5g. Does the COC note the matrix of the sample(s)?..... ☒ YES NO
6. Are all aqueous samples requiring preservation preserved correctly?..... ☒ N/A YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... ☒ YES NO
8. Are all samples within holding times for the requested analyses?..... ☒ YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... ☒ YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631 E (LL Hg)?..... ☒ N/A YES NO
11. Were the samples received on ice?..... ☒ YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... ☒ YES NO
13. Are the samples DW matrix? If YES, fill out Reportable Drinking Water questions below..... YES ☒ NO
- 13a. Are the samples required for SDWA compliance reporting?..... ☒ N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... ☒ N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... ☒ N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... ☒ N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... ☒ N/A YES NO

Cooler #: _____
Temperature (°C): 2 _____
Thermometer ID: 318 _____
Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

ALS

August 13, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: UST Testing	Workorder: 3050633
Purchase Order:	Workorder ID: 4140 Chest

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 8, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3050633 4140 Chest

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3050633001	4140 Chest	Drinking Water	8/7/2019 14:30	8/8/2019 20:55	Collected by Client
3050633002	Trip Blank	Drinking Water	8/8/2019 20:55	8/8/2019 20:55	Collected by Client

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SAMPLE SUMMARY

Workorder: 3050633 4140 Chest

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3050633 4140 Chest

Lab ID: 3050633001

Date Collected: 8/7/2019 14:30

Matrix: Drinking Water

Sample ID: 4140 Chest

Date Received: 8/8/2019 20:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
Methyl t-Butyl Ether	3.7		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 06:23	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	88.4		%	70 - 130	EPA 524.2			8/10/19 06:23	PDK	A
4-Bromofluorobenzene (S)	85		%	70 - 130	EPA 524.2			8/10/19 06:23	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3050633 4140 Chest

Lab ID: 3050633002

Date Collected: 8/8/2019 20:55

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 8/8/2019 20:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:09	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	96.8		%	70 - 130	EPA 524.2			8/10/19 05:09	PDK	A
4-Bromofluorobenzene (S)	94.4		%	70 - 130	EPA 524.2			8/10/19 05:09	PDK	A



Jessica Lee Smith
Project Coordinator

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**ANALYSIS - PREP METHOD CROSS REFERENCE TABLE**

Workorder: 3050633 4140 Chest

Lab ID	Sample ID	Analysis Method	Prep Method
3050633001	4140 Chest	EPA 524.2	
3050633002	Trip Blank	EPA 524.2	

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301 Filling Mill Road
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

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



Client Name: <u>Country Env. Assoc.</u>		Container Type: <u>glau</u>		
Address: <u>90 Box 224</u>		Container Size: <u>vial</u>		
<u>St. Peters, PA 19470</u>		Preservative: <u>HEP</u>		
Contact: <u>John Van Wagoner</u>		ANALYSES/METHOD REQUESTED		
Phone#: <u>610-409-6590</u>				
Project Name#: <u>4140 Chest</u>				
Bill To: <u>same</u>				
TAT ☐ Normal-Standard TAT is 10-12 business days.				
☒ Rush-Subject to ALS approval and surcharges.				
Date Required: <u>48 hr.</u> Approved?				
Email? ☐ Y ☐ N	Fax? ☐ Y ☐ N			
Sample Description/Location (as it will appear on the lab report)		Date Collected	Time	
1 <u>4140 Chest rd</u>		<u>8/19</u>	<u>14:30</u>	<u>6-6w</u>
2 <u>trip blank</u>		<u>11</u>	<u>↓</u>	<u>2</u>
3				
4				
5				
6				
7				
8				
9				
10				
SAMPLER COMMENTS: <u>John Van Wagoner</u>				
Relinquished By / Company Name		Date	Time	
1 <u>John Van Wagoner</u>		<u>8-19</u>	<u>1544</u>	<u>2 Beverly Middletown PA 17057</u>
3 <u>Country Env. Assoc.</u>		<u>8-19</u>	<u>1555</u>	<u>4 Chest rd Middletown PA 17057</u>
5 <u>Country Env. Assoc.</u>		<u>8-19</u>	<u>1555</u>	<u>6 COMMON COUNTRY ENV. ASSOCIATION</u>
7 <u>COMMON COUNTRY ENV. ASSOCIATION</u>		<u>8/19</u>	<u>2053</u>	<u>8</u>
9				<u>10</u>
State Samples Collected In		Special Processing		
☐ NY ☐ NJ ☐ PA ☐ other		☐ USACE ☐ USACE/DOD ☐ Reportable to PADEP? ☐ Yes ☐ No ☐ PWSID # ☐ EDDS: Format Type		
ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment Other:				



301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Env. Assoc. Work Order #: 3050633 Initials: an Date: 8/9/19

1. Were airbills / tracking numbers present and recorded?.....	<u>NONE</u>	YES	NO
Tracking number: _____			
2. Are Custody Seals on shipping containers intact?.....	<u>NONE</u>	<u>YES</u>	NO
3. Are Custody Seals on sample containers intact?.....	<u>NONE</u>	YES	NO
4. Is there a COC (Chain-of-Custody) present?.....		<u>YES</u>	NO
5. Are the COC and bottle labels complete, legible and in agreement?.....		<u>YES</u>	NO
5a. Does the COC contain sample locations?.....		<u>YES</u>	NO
5b. Does the COC contain date and time of sample collection for all samples?.....		<u>YES</u>	NO
5c. Does the COC contain sample collectors name?.....		<u>YES</u>	NO
5d. Does the COC note the type(s) of preservation for all bottles?.....		<u>YES</u>	NO
5e. Does the COC note the number of bottles submitted for each sample?.....		<u>YES</u>	NO
5f. Does the COC note the type of sample, composite or grab?.....		<u>YES</u>	NO
5g. Does the COC note the matrix of the sample(s)?.....		<u>YES</u>	NO
6. Are all aqueous samples requiring preservation preserved correctly?	N/A	<u>YES</u>	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?.....		<u>YES</u>	NO
8. Are all samples within holding times for the requested analyses?.....		<u>YES</u>	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.).....		<u>YES</u>	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?.....	N/A	<u>YES</u>	NO
11. Were the samples received on ice?.....		<u>YES</u>	NO
12. Were sample temperatures measured at 0.0-6.0°C.....		<u>YES</u>	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below.....		YES	<u>NO</u>
13a. Are the samples required for SDWA compliance reporting?.....	<u>N/A</u>	YES	NO
13b. Did the client provide a SDWA PWS ID#?.....	<u>N/A</u>	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?.....	<u>N/A</u>	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?.....	<u>N/A</u>	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?.....	<u>N/A</u>	YES	NO

Cooler #: _____

Temperature (°C): 2 °C _____

Thermometer ID: 525 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

ALS

August 13, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name: **UST Testing**Workorder: **3050630**

Purchase Order:

Workorder ID: **4030 Miller**

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 8, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3050630 4030 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3050630001	4030 Miller	Drinking Water	8/7/2019 15:45	8/8/2019 20:55	Collected by Client
3050630002	Trip Blank	Drinking Water	8/8/2019 20:55	8/8/2019 20:55	Collected by Client

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SAMPLE SUMMARY

Workorder: 3050630 4030 Miller

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3050630 4030 Miller

Lab ID: 3050630001

Date Collected: 8/7/2019 15:45

Matrix: Drinking Water

Sample ID: 4030 Miller

Date Received: 8/8/2019 20:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:58	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	86.1		%	70 - 130	EPA 524.2			8/10/19 05:58	PDK	A
4-Bromofluorobenzene (S)	86.3		%	70 - 130	EPA 524.2			8/10/19 05:58	PDK	A



Jessica Lee Smith
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ANALYTICAL RESULTS

Workorder: 3050630 4030 Miller

Lab ID: 3050630002

Date Collected: 8/8/2019 20:55

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 8/8/2019 20:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:45	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	92.3		%	70 - 130	EPA 524.2			8/10/19 04:45	PDK	A
4-Bromofluorobenzene (S)	92.8		%	70 - 130	EPA 524.2			8/10/19 04:45	PDK	A



Jessica Lee Smith
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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3050630 4030 Miller

Lab ID	Sample ID	Analysis Method	Prep Method
3050630001	4030 Miller	EPA 524.2	
3050630002	Trip Blank	EPA 524.2	

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301 Fulling Mill Road
Middletown, PA 17057
P: 717-944-5541
F: 717-944-1430

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



Client Name: Country Env Assoc.		Container Type: Plastic		
Address: PO Box 224 St. Peters, PA 19470		Container Size: 10L		
		Penetration: HEC		
Contact: John Van Wageningen		ANALYSES/METHOD REQUESTED		
Phone#: 610-469-6540				
Project Name/ID: 4030 Miller				
Bill To: same				
TAT: ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.				
Date Required: 48				
Email? ☐ -Y ☐ -N				
Fax? ☐ -Y ☐ -N				
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yy	Time hh:mm	Enter Number of Containers Per Sample or Field Results Below.
1 4030 Miller		8/19/19	15:45	3
2 trip blank		↓	↓	2
3				
4				
5				
6				
7				
8				
9				
10				
SAMPLER COMMENTS: John Van Wageningen				
Relinquished By / Company Name		Date	Time	Received By / Company Name
1 John Van Wageningen		8-19-19	15:44	Beverly Wagoner
3 Beverly Wagoner		8-19-19	15:55	Out of Office
5 Out of Office		8-19-19	15:55	ALS
7 COMMON COURTESY		8-19-19	15:55	ALS
9				
State Samples Collected In		Special Processing		
NY ☐ NJ ☐ PA ☐ other ☐		USACE ☐ USACE/DOD ☐		
Data Deliverables		Reportable to PADEP? Yes ☐ No ☐		
PWSID #		EDDS: Formal Type: ☐		

* G=Grab, C=Composite ** Matrix: A=Air, DW=Drinking Water, GW=Groundwater, O=Oil, OL=Other Liquid, SL=Sludge, SO=Soil, WP=Wipe, WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Middletown, PA 17057

Rev 04/19



301 Fulfilling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Env. Assoc. Work Order #: 3050630 Initials: an Date: 8/9/19

- | | | | |
|--|-------------|------------|-----------|
| 1. Were airbills / tracking numbers present and recorded?..... | <u>NONE</u> | YES | NO |
| Tracking number: _____ | | | |
| 2. Are Custody Seals on shipping containers intact?..... | <u>NONE</u> | <u>YES</u> | NO |
| 3. Are Custody Seals on sample containers intact?..... | <u>NONE</u> | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present?..... | | <u>YES</u> | NO |
| 5. Are the COC and bottle labels complete, legible and in agreement?..... | | <u>YES</u> | NO |
| 5a. Does the COC contain sample locations?..... | | <u>YES</u> | NO |
| 5b. Does the COC contain date and time of sample collection for all samples?..... | | <u>YES</u> | NO |
| 5c. Does the COC contain sample collectors name?..... | | <u>YES</u> | NO |
| 5d. Does the COC note the type(s) of preservation for all bottles?..... | | <u>YES</u> | NO |
| 5e. Does the COC note the number of bottles submitted for each sample?..... | | <u>YES</u> | NO |
| 5f. Does the COC note the type of sample, composite or grab?..... | | <u>YES</u> | NO |
| 5g. Does the COC note the matrix of the sample(s)?..... | | <u>YES</u> | NO |
| 6. Are all aqueous samples requiring preservation preserved correctly?..... | N/A | <u>YES</u> | NO |
| 7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... | | <u>YES</u> | NO |
| 8. Are all samples within holding times for the requested analyses?..... | | <u>YES</u> | NO |
| 9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... | | <u>YES</u> | NO |
| 10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... | N/A | <u>YES</u> | NO |
| 11. Were the samples received on ice?..... | | <u>YES</u> | NO |
| 12. Were sample temperatures measured at 0.0-6.0°C..... | | <u>YES</u> | NO |
| 13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... | | YES | <u>NO</u> |
| 13a. Are the samples required for SDWA compliance reporting?..... | <u>N/A</u> | YES | NO |
| 13b. Did the client provide a SDWA PWS ID#?..... | <u>N/A</u> | YES | NO |
| 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... | <u>N/A</u> | YES | NO |
| 13d. Did the client provide the SDWA sample location ID/Description?..... | <u>N/A</u> | YES | NO |
| 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... | <u>N/A</u> | YES | NO |

Cooler #: _____

Temperature (°C): 2 °C _____

Thermometer ID: 525 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

ALS

August 13, 2019

Mr. John VanWagenen
Coventry Environmental Associates, Inc.
PO Box 224
Saint Peters, PA 19470

Certificate of Analysis

Project Name:	UST Testing	Workorder:	3050629
Purchase Order:		Workorder ID:	4030 Chest

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 8, 2019.

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 Jessica Lee Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903



Jessica Lee Smith
Project Coordinator

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

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SAMPLE SUMMARY

Workorder: 3050629 4030 Chest

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3050629001	4030 Chest	Drinking Water	8/7/2019 15:00	8/8/2019 20:55	Collected by Client
3050629002	Trip Blank	Drinking Water	8/8/2019 20:55	8/8/2019 20:55	Collected by Client

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SAMPLE SUMMARY

Workorder: 3050629 4030 Chest

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.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	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
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3050629 4030 Chest

Lab ID: 3050629001

Date Collected: 8/7/2019 15:00

Matrix: Drinking Water

Sample ID: 4030 Chest

Date Received: 8/8/2019 20:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 05:34	PDK	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	81.5		%	70 - 130	EPA 524.2			8/10/19 05:34	PDK	A
4-Bromofluorobenzene (S)	78.3		%	70 - 130	EPA 524.2			8/10/19 05:34	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3050629 4030 Chest

Lab ID: 3050629002

Date Collected: 8/8/2019 20:55

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 8/8/2019 20:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			8/10/19 04:20	PDK	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	90.9		%	70 - 130	EPA 524.2			8/10/19 04:20	PDK	A
4-Bromofluorobenzene (S)	92.5		%	70 - 130	EPA 524.2			8/10/19 04:20	PDK	A



Jessica Lee Smith
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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3050629 4030 Chest

Lab ID	Sample ID	Analysis Method	Prep Method
3050629001	4030 Chest	EPA 524.2	
3050629002	Trip Blank	EPA 524.2	

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301 Filling Mill Road
Middletown, PA 17057
P: 717-944-5541
F: 717-944-1430

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

Client Name: <u>Country Env. Assoc.</u>		Container Type: <u>drum</u>	W.O. Temp: <u>2</u> Therm ID: <u>525</u>	
Address: <u>PO Box 224</u>		Container Size: <u>vial</u>	Analyst Initials: _____	
<u>St. Peters, PA 19920</u>		Particulate: <u>HEC</u>	Courier/Tracking #: _____	
Contact: <u>John Van Cuyper</u>		Purchase Order #: _____		
Phone: <u>610-969-1654</u>		Project Comments: _____		
Project Name/ID: <u>4030 chest</u>		ALS Field Services: ☐ Pickup ☐ Labor		
Bill To: <u>sand</u>		☐ Composite Sampling ☐ Rental Equipment		
TAT: ☐ Normal-Standard TAT is 10-12 business days.		Other: _____		
☒ Rush-Subject to ALS approval and surcharges.		Sample/COC Comments: _____		
Date Required: _____		ALS Field Services: ☐ Pickup ☐ Labor		
Email? ☐ -Y ☐ -N		Other: _____		
Fax? ☐ -Y ☐ -N		Sample/COC Comments: _____		
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yyyy		Time hh:mm
1 <u>4030 chest</u>		<u>8-17-19</u>		<u>15:00</u>
2 <u>Trip Blank</u>		<u>1</u>		<u>1</u>
3				
4				
5				
6				
7				
8				
9				
10				
Enter Number of Containers Per Sample or Field Results Below.				
Matrix				
6 or C				
PADP used for 504.2				
SAMPLER COMMENTS: <u>John Van Cuyper</u>				
Relinquished By / Company Name		Date	Time	Received By / Company Name
<u>John Van Cuyper</u>		<u>8-19-19</u>	<u>15:44</u>	<u>Beverly W. Arnesen</u>
<u>Beverly W. Arnesen</u>		<u>8-19-19</u>	<u>15:55</u>	<u>Aut. Penna</u>
<u>Aut. Penna</u>		<u>8-19-19</u>	<u>15:55</u>	<u>COMMON COUNCIL</u>
<u>COMMON COUNCIL</u>		<u>8-19-19</u>	<u>15:55</u>	<u>8/18/19</u>
<u>8/18/19</u>		<u>8/18/19</u>	<u>20:55</u>	<u>10</u>
SAMPLER COMMENTS: (Please Print):		EDDS: Formal Type- _____		
State Samples Collected In		Special Processing		
NY ☐ NJ ☐ PA ☐		USACE ☐ USACE/DOD ☐		
Sample Disposal Lab ☐ Special ☐		Reportable to PADEP? Yes ☐ No ☐		
PWSID # _____		EDDS: Formal Type- _____		

Rev 04/19

ALS SHIPPING ADDRESS: 301 Filling Mill Road, Middletown, PA 17057

* G=Grab; C=Composite

**Matrix: AL=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater



301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Env. Assoc. Work Order #: 3050629 Initials: an Date: 8/9/19

- | | | | |
|--|-------------|------------|-----------|
| 1. Were airbills / tracking numbers present and recorded?..... | <u>NONE</u> | YES | NO |
| Tracking number: _____ | | | |
| 2. Are Custody Seals on shipping containers intact?..... | <u>NONE</u> | <u>YES</u> | NO |
| 3. Are Custody Seals on sample containers intact?..... | <u>NONE</u> | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present?..... | | <u>YES</u> | NO |
| 5. Are the COC and bottle labels complete, legible and in agreement?..... | | <u>YES</u> | NO |
| 5a. Does the COC contain sample locations?..... | | <u>YES</u> | NO |
| 5b. Does the COC contain date and time of sample collection for all samples?..... | | <u>YES</u> | NO |
| 5c. Does the COC contain sample collectors name?..... | | <u>YES</u> | NO |
| 5d. Does the COC note the type(s) of preservation for all bottles?..... | | <u>YES</u> | NO |
| 5e. Does the COC note the number of bottles submitted for each sample?..... | | <u>YES</u> | NO |
| 5f. Does the COC note the type of sample, composite or grab?..... | | <u>YES</u> | NO |
| 5g. Does the COC note the matrix of the sample(s)?..... | | <u>YES</u> | NO |
| 6. Are all aqueous samples requiring preservation preserved correctly?..... | <u>N/A</u> | <u>YES</u> | NO |
| 7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... | | <u>YES</u> | NO |
| 8. Are all samples within holding times for the requested analyses?..... | | <u>YES</u> | NO |
| 9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... | | <u>YES</u> | NO |
| 10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... | <u>N/A</u> | <u>YES</u> | NO |
| 11. Were the samples received on ice?..... | | <u>YES</u> | NO |
| 12. Were sample temperatures measured at 0.0-6.0°C..... | | <u>YES</u> | NO |
| 13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... | | YES | <u>NO</u> |
| 13a. Are the samples required for SDWA compliance reporting?..... | <u>N/A</u> | YES | NO |
| 13b. Did the client provide a SDWA PWS ID#?..... | <u>N/A</u> | YES | NO |
| 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... | <u>N/A</u> | YES | NO |
| 13d. Did the client provide the SDWA sample location ID/Description?..... | <u>N/A</u> | YES | NO |
| 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... | <u>N/A</u> | YES | NO |

Cooler #: _____

Temperature (°C): 2°C _____

Thermometer ID: 525 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

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