

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045727
Purchase Order:	Workorder ID: LCWA

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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: 3045727 LCWA

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045727001	Well 18	Drinking Water	7/16/2019 11:00	7/16/2019 22:08	Mr. John VanWagenen
3045727002	Well 19	Drinking Water	7/16/2019 13:30	7/16/2019 22:08	Mr. John VanWagenen
3045727003	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045727 LCWA

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: 3045727 LCWA

Lab ID: **3045727001**

Date Collected: 7/16/2019 11:00

Matrix: Drinking Water

Sample ID: **Well 18**

Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:17	VLM	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)	81		%	70 - 130	EPA 524.2			7/18/19 05:17	VLM	A
4-Bromofluorobenzene (S)	80.6		%	70 - 130	EPA 524.2			7/18/19 05:17	VLM	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045727 LCWA

Lab ID: **3045727002**

Date Collected: 7/16/2019 13:30

Matrix: Drinking Water

Sample ID: **Well 19**

Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 05:42	VLM	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	82		%	70 - 130	EPA 524.2			7/18/19 05:42	VLM	A
4-Bromofluorobenzene (S)	79.8		%	70 - 130	EPA 524.2			7/18/19 05:42	VLM	A



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ANALYTICAL RESULTS

Workorder: 3045727 LCWA

Lab ID: 3045727003

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/18/19 02:52	VLM	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	77		%	70 - 130	EPA 524.2			7/18/19 02:52	VLM	A
4-Bromofluorobenzene (S)	78.5		%	70 - 130	EPA 524.2			7/18/19 02:52	VLM	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3045727 LCWA

Lab ID	Sample ID	Analysis Method	Prep Method
3045727001	Well 18	EPA 524.2	
3045727002	Well 19	EPA 524.2	
3045727003	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.

7 of



Client Name: <u>Covestry Inc. ASL</u>		Container Type: <u>slud</u>	Analyst Initials: <u>38</u>	
Address: <u>PO Box 224</u>		Container Size: <u>1gal</u>	W.O. Temp: <u>6</u> Therm ID: <u>38</u>	
Contact: <u>John Van Way</u>		Permeable: <u>Yes</u>	Analyst Initials: <u>38</u>	
Phone#: <u>610-409-6540</u>		Courier/Tracking #:		
Project Name/ID: <u>LCWA</u>		Purchase Order #:		
Bill To: <u>same</u>		Project Comments:		
TAT: ☐ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALS approval and surcharges.		ALS Field Services: ☐ Pickup ☐ Labor		
Date Required: ☐ Y ☐ N		☐ Composite Sampling ☐ Rental Equipment		
Email? ☐ Y ☐ N		Other:		
Fax? ☐ Y ☐ N		Sample/COC Comments		
Sample Description/Location (as it will appear on the lab report)		Enter Number of Containers Per Sample or Field Results Below.		
1	<u>well 18</u>	<u>7.16.19</u>	<u>11:00</u>	<u>6</u>
2	<u>well 19</u>	<u>7.16.19</u>	<u>11:30</u>	<u>6</u>
3	<u>trip blank</u>			<u>2</u>
4				
5				
6				
7				
8				
9				
10				
SAMPLER BY (Please Print): <u>John Van Way</u>		Special Processing: ☐ Standard ☐ CLP-like ☐ USACE/DOD		
Relinquished By / Company Name		Data Deliverables: ☐ Standard ☐ CLP-like ☐ USACE/DOD		
1	<u>John Van Way</u>	<u>7/16/19</u>	<u>11:05</u>	<u>2</u>
3	<u>John Van Way</u>	<u>7/16/19</u>	<u>11:30</u>	<u>4</u>
5	<u>COMMON COURIER ALS COURIER</u>	<u>7/16/19</u>	<u>12:05</u>	<u>6</u>
7				<u>8</u>
9				<u>10</u>
State Samples Collected In: ☐ NY ☐ NJ ☐ PA		Special Processing: ☐ USACE ☐ Lab ☐ Special		
Reportable to PADEP? ☐ Yes ☐ No		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: Coventry Work Order #: 3045727 Initials: CD Date: 7/18/19

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 _____

Thermometer ID: 318 _____

Radiological (µCi): _____

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

Rev. 4/29/2019

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045728
Purchase Order:	Workorder ID: 4501 Cole

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 2019.

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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: 3045728 4501 Cole

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045728001	4501 Cole-SW	Drinking Water	7/15/2019 15:30	7/16/2019 22:08	Mr. John VanWagenen
3045728002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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**SAMPLE SUMMARY**

Workorder: 3045728 4501 Cole

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.
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- The Chain of Custody document is included as part of this report.
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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: 3045728 4501 Cole

Sample Comments

Lab ID: 3045728002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045728 4501 Cole

Lab ID: **3045728001**
Sample ID: **4501 Cole-SW**

Date Collected: 7/15/2019 15:30 Matrix: Drinking Water
Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:11	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	82.8		%	70 - 130	EPA 524.2			7/17/19 17:11	DD	A
4-Bromofluorobenzene (S)	84		%	70 - 130	EPA 524.2			7/17/19 17:11	DD	A



Jessica Lee Smith
Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 3045728 4501 Cole

Lab ID: 3045728002

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/16/2019 22:08

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

Sample Cancelled

CANCEL

7/18/19 10:25 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: 3045728 4501 Cole

Lab ID	Sample ID	Analysis Method	Prep Method
3045728001	4501 Cole-SW	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>Quentay Env. Assoc.</u>		Container Type: <u>glass</u>	* 3 0 4 5 7 2 8 *		ion
Address: <u>PO Box 224</u> <u>St. Roberts, PA 19470</u>		Container Size: <u>100L</u>	(completed by receiving Lab)		
Contact: <u>John Van Wageningen</u>		Preservation: <u>Refrigerated</u>	W.O. Temp: <u>5</u> Therm ID: <u>310</u>		
Phone#: <u>610-469-6540</u>		Analyst Initials: _____			
Project Name/ID: <u>4501 Cole</u>		Courier/Tracking #: _____			
Bill To: _____		Purchase Order #: _____			
TAT: ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.		Project Comments: _____			
Date Required: <u>24 hr.</u> Approved?		ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment			
Email? ☐ -Y No: _____		Other: _____			
Fax? ☐ -Y No: _____		Sample/COC Comments: _____			
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>4501 Cole - SW</u>		<u>7-15-19</u>	<u>15:30</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>					
Requisitioned By / Company Name		Date	Time	Received By / Company Name	Date
1 <u>John Van Wageningen</u>		<u>7/16/19</u>	<u>16:15</u>	<u>John Van Wageningen</u>	<u>7/16/19</u>
3 <u>John Van Wageningen</u>		<u>7/16/19</u>	<u>16:30</u>	<u>COMMON COURIER / ALS COURIER</u>	<u>7/16/19</u>
5 <u>COMMON COURIER / ALS COURIER</u>					<u>7/16/19</u>
7					
9					
Data Deliverables		Reportable to PADEP?		Sample Disposal	
☐ Standard ☐ CLP-like ☐ USACE/DOD		Yes ☐ No ☐		Lab ☐ Special ☐	
State Samples Collected In		PWSID #		EDDS: Formal Type	
☐ NY ☐ NJ ☐ PA				other	



301 Fulling Mill Road
Middletown, PA 17057

P: (717) 944-5541

F: (717) 944-1430

Condition of Sample Receipt Form

Client:

Corenty

Work Order #:

3045728

Initials:

CS

Date:

7/16/19

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 _____

Thermometer ID: 318 _____

Radiological (µCi): _____

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

Rev. 4/29/2019

ALS

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045735
Purchase Order:	Workorder ID: 4015 Miller

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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: 3045735 4015 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045735001	4015 Miller	Drinking Water	7/15/2019 13:13	7/16/2019 22:08	Mr. John VanWagenen
3045735002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045735 4015 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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PROJECT SUMMARY

Workorder: 3045735 4015 Miller

Sample Comments

Lab ID: 3045735002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045735 4015 Miller

Lab ID: 3045735001

Date Collected: 7/15/2019 13:13

Matrix: Drinking Water

Sample ID: 4015 Miller

Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:02	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	79.7		%	70 - 130	EPA 524.2			7/17/19 20:02	DD	A
4-Bromofluorobenzene (S)	79.8		%	70 - 130	EPA 524.2			7/17/19 20:02	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045735 4015 Miller

Lab ID: **3045735002**

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 7/16/2019 22:08

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

ADMINISTRATIVE

Sample Cancelled

CANCEL

7/18/19 10:29 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: 3045735 4015 Miller

Lab ID	Sample ID	Analysis Method	Prep Method
3045735001	4015 Miller	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 #: 3048735 Initials: CD Date: 7/16/19

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 _____

Thermometer ID: 318 _____

Radiological (µCi): _____

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

Rev. 4/29/2019

ALS

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045737
Purchase Order:	Workorder ID: 4704 Mill

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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: 3045737 4704 Mill

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045737001	4704 Mill SW	Drinking Water	7/15/2019 17:30	7/16/2019 22:08	Mr. John VanWagenen
3045737002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045737 4704 Mill

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: 3045737 4704 Mill

Sample Comments

Lab ID: 3045737002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045737 4704 Mill

Lab ID: 3045737001

Date Collected: 7/15/2019 17:30

Matrix: Drinking Water

Sample ID: 4704 Mill SW

Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:51	DD	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)	78.7		%	70 - 130	EPA 524.2			7/17/19 20:51	DD	A
4-Bromofluorobenzene (S)	77.3		%	70 - 130	EPA 524.2			7/17/19 20:51	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045737 4704 Mill

Lab ID: **3045737002**

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 7/16/2019 22:08

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

ADMINISTRATIVE

Sample Cancelled CANCEL

7/18/19 10:30 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: 3045737 4704 Mill

Lab ID	Sample ID	Analysis Method	Prep Method
3045737001	4704 Mill SW	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.



of

Client Name: <u>Cowarty Env Assoc</u>		Container Type: <u>glass</u>	W.O. Temp: <u>5</u> Therm ID: <u>318</u>	
Address: <u>PO Box 224</u>		Container Size: <u>vial</u>	Analyst Initials: _____	
<u>St. Peters, PA 19470</u>		Preserve: <u>no</u>	Courier/Tracking #: _____	
Contact: <u>John Van Wagner</u>		Purchase Order #: _____		
Phone: <u>610-469-1650</u>		Project Comments: _____		
Project Name: <u>4704 Hill</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>24 hr</u> Approved?		Sample/COC Comments: _____		
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>4704 Hill SW</u>		<u>7/15/19</u>	<u>17:30</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 Wagner</u>				
Refinanced By/Company Name		Date	Time	Received By/Company Name
1 <u>John Van Wagner</u>		<u>7/16/19</u>	<u>11:05</u>	<u>2 COMMON COURIER</u>
3 <u>John Van Wagner</u>		<u>7/16/19</u>	<u>11:30</u>	<u>4 COMMON COURIER</u>
5 <u>COMMON COURIER</u>				<u>6</u>
7 <u>COMMON COURIER</u>				<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: Format Type		
		other		

Rev 04/19

ALS SHIPPING ADDRESS: 301 Fulling 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 Work Order #: 3045737 Initials: CS Date: 7/18/19

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 _____

Thermometer ID: 318 _____

Radiological (µCi): _____

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

Rev. 4/29/2019

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045734
Purchase Order:	Workorder ID: 4168 Chest

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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: 3045734 4168 Chest

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045734001	4168 Chest-SW	Drinking Water	7/15/2019 14:30	7/16/2019 22:08	Mr. John VanWagenen
3045734002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045734 4168 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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PROJECT SUMMARY

Workorder: 3045734 4168 Chest

Sample Comments

Lab ID: 3045734002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045734 4168 Chest

Lab ID: 3045734001

Date Collected: 7/15/2019 14:30

Matrix: Drinking Water

Sample ID: 4168 Chest-SW

Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:38	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	79.3		%	70 - 130	EPA 524.2			7/17/19 19:38	DD	A
4-Bromofluorobenzene (S)	76.4		%	70 - 130	EPA 524.2			7/17/19 19:38	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045734 4168 Chest

Lab ID: 3045734002

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/16/2019 22:08

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

ADMINISTRATIVE

Sample Cancelled

CANCEL

7/18/19 10:28 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: 3045734 4168 Chest

Lab ID	Sample ID	Analysis Method	Prep Method
3045734001	4168 Chest-SW	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 #: 3045734 Initials: CS Date: 7/16/19

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 _____
Thermometer ID: 318 _____
Radiological (µCi): _____

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

Rev. 4/29/2019

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045733
Purchase Order:	Workorder ID: 4648 Hill

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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: 3045733 4648 Hill

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045733001	4648 Mill-SW	Drinking Water	7/15/2019 16:30	7/16/2019 22:08	Mr. John VanWagenen
3045733002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045733 4648 Hill

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: 3045733 4648 Hill

Sample Comments

Lab ID: 3045733002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045733 4648 Hill

Lab ID: **3045733001**
Sample ID: **4648 MIII-SW**

Date Collected: 7/15/2019 16:30 Matrix: Drinking Water
Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 19:13	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	79.3		%	70 - 130	EPA 524.2			7/17/19 19:13	DD	A
4-Bromofluorobenzene (S)	77.8		%	70 - 130	EPA 524.2			7/17/19 19:13	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045733 4648 Hill

Lab ID: **3045733002**

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 7/16/2019 22:08

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

Sample Cancelled CANCEL

7/18/19 10:28 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: 3045733 4648 Hill

Lab ID	Sample ID	Analysis Method	Prep Method
3045733001	4648 MIII-SW	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>Covington Env Assoc.</u>		Container Type/Label: <u>vial</u>	W.O. Temp: <u>6</u> Therm ID: <u>318</u>
Address: <u>90 Bay 224</u>		Container Size: <u>100</u>	Analyst Initials: _____
City: <u>St. Peters, PA 19420</u>		Preserve: <u>NO</u>	Courier/Tracking #: _____
Contact: <u>John Van Wageningen</u>		Purchase Order #: _____	
Phone#: <u>610-469-1654</u>		Project Comments: _____	
Project Name#: <u>4648 Mill</u>		ALS Field Services: ☐ Pickup ☐ Labor	
Bill To: <u>SARL</u>		☐ Composite Sampling ☐ Rental Equipment	
TAT: ☐ Normal-Standard TAT is 10-12 business days.		Other: _____	
Date Required: <u>24 HR</u> Approved? <u>Yes</u>		Sample/COC Comments: _____	
Email? ☐ -Y ☐ -N			
Fax? ☐ -Y ☐ -N			
Sample Description/Location (as it will appear on the lab report)		Enter Number of Containers Per Sample or Field Results Below.	
1	<u>4648 Mill - SW</u>	7/15/19	16:30
2	<u>trip blank</u>		
3			
4			
5			
6			
7			
8			
9			
10			
SAMPLER COMMENTS: <u>John Van Wageningen</u>		State Samples Collected In: ☐ NY ☐ NJ ☐ PA	
Relinquished By / Company Name		Special Processing: ☐ USACE ☐ CLP-like ☐ USACE/DOD	
1	<u>John Van Wageningen</u>	Reportable to PADEP? ☐ Yes ☐ No	
3	<u>John Van Wageningen</u>	Sample Disposal: ☐ Lab ☐ Special	
5	<u>COMMON COURIER / K'S COURIER</u>	PWSID # _____	
7		EDDS: Format Type: _____	
9		other: _____	

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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

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045729
Purchase Order:	Workorder ID: 4701 Cole

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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: 3045729 4701 Cole

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045729001	4701 Cole SW	Drinking Water	7/15/2019 10:00	7/16/2019 22:08	Mr. John VanWagenen
3045729002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045729 4701 Cole

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: 3045729 4701 Cole

Sample Comments

Lab ID: 3045729002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045729 4701 Cole

Lab ID: **3045729001**
Sample ID: **4701 Cole SW**

Date Collected: 7/15/2019 10:00 Matrix: Drinking Water
Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 17:36	DD	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)	80.8		%	70 - 130	EPA 524.2			7/17/19 17:36	DD	A
4-Bromofluorobenzene (S)	77.9		%	70 - 130	EPA 524.2			7/17/19 17:36	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045729 4701 Cole

Lab ID: 3045729002

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/16/2019 22:08

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

Sample Cancelled

CANCEL

7/18/19 10:25 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: 3045729 4701 Cole

Lab ID	Sample ID	Analysis Method	Prep Method
3045729001	4701 Cole SW	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>Coventry Env Assoc</u>		Container Type: <u>glass</u>		
Address: <u>PO Box 224</u>		Container Size: <u>Vial</u>		
<u>st potom, PA 19470</u>		Preserve: <u>Alcohol</u>		
Contact: <u>John Van Wageningen</u>		ANALYSES/METHOD REQUESTED		
Phone#: <u>610-469-0540</u>				
Project Name#: <u>4701 Cole SW</u>				
Bill To: <u>same</u>				
☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges. Date Required: <u>2-4 hr.</u> Approved? ☐				
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	Matrix
1 <u>4701 Cole SW</u>		<u>7-15-19</u>	<u>16:00</u>	<u>6-WW3</u>
2 <u>trip blank</u>				<u>2</u>
3				
4				
5				
6				
7				
8				
9				
10				
Enter Number of Containers Per Sample or Field Results Below.				
Sample/COC Comments				
ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment Other:				
W.O. Temp: <u>6</u> Therm ID: <u>218</u> Analyst Initials: Courier/Tracking #: Purchase Order #: Project Comments:				
(completed by Receiving Lab)				
* 3 0 4 5 7 2 9 *				
of				

SAMPLER COMMENTS:		Date		Time	Received By / Company Name	Date	Time
<u>John Van Wageningen</u> <u>COMMON COURIER ALS COLLECT</u>		7/16/19	11:05	2	<u>John Van Wageningen</u>	7/16/19	11:05
		7/16/19	16:00	4	<u>COMMON COURIER ALS COLLECT</u>	7/16/19	22:08
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		7/1					



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

Condition of Sample Receipt Form

Client: Coventry Work Order #: 3045729 Initials: CS Date: 7/16/19

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 _____

Thermometer ID: 318 _____

Radiological (µCi): _____

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

Rev. 4/29/2019

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045730
Purchase Order:	Workorder ID: 4095 Chest

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

SAMPLE SUMMARY

Workorder: 3045730 4095 Chest

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045730001	4095 Chest-SW	Drinking Water	7/15/2019 14:00	7/16/2019 22:08	Mr. John VanWagenen
3045730002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045730 4095 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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PROJECT SUMMARY

Workorder: 3045730 4095 Chest

Sample Comments

Lab ID: 3045730002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045730 4095 Chest

Lab ID: 3045730001

Date Collected: 7/15/2019 14:00

Matrix: Drinking Water

Sample ID: 4095 Chest-SW

Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:00	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	74.7		%	70 - 130	EPA 524.2			7/17/19 18:00	DD	A
4-Bromofluorobenzene (S)	78.5		%	70 - 130	EPA 524.2			7/17/19 18:00	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045730 4095 Chest

Lab ID: 3045730002

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/16/2019 22:08

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

ADMINISTRATIVE

Sample Cancelled

CANCEL

7/18/19 10:26 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: 3045730 4095 Chest

Lab ID	Sample ID	Analysis Method	Prep Method
3045730001	4095 Chest-SW	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.

2 of

Client Name: <u>Cowart Env. Assoc.</u>		Container Type: <u>GLASS</u>	Station: <u>Salvage Lab</u>	
Address: <u>PO Box 224</u>		Container Size: <u>100ml</u>	W.O. Temp: <u>6</u> Therm ID: <u>318</u>	
Contact: <u>John Van Wageningen</u>		Permitting: <u>electronic</u>	Analyst Initials: _____	
Phone#: <u>610-809-1650</u>		Courier/Tracking #: _____		
Project Name#: <u>4095 chest</u>		Purchase Order #: _____		
Bill To: _____		Project Comments: _____		
TAT: ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.		ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment		
Date Required: <u>24 hr.</u> Approved?		Other: _____		
Email? ☐ -Y ☐ -N		Sample/COC Comments		
Fax? ☐ -Y ☐ -N				
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yyyy	Time hh:mm	Enter Number of Containers Per Sample or Field Results Below.
1	<u>4095 chest - SW</u>	<u>7.15.19</u>	<u>14:00</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>7/16/19</u>	<u>11:15</u>	2 <u>John Van Wageningen</u>
3 <u>COMMON COURIER ALS COURIER</u>		<u>7/16/19</u>	<u>11:15</u>	4 <u>COMMON COURIER ALS COURIER</u>
5 <u>COMMON COURIER ALS COURIER</u>				6 <u>COMMON COURIER ALS COURIER</u>
7				8
9				10
State Samples Collected In		Special Processing		Deliverables
NY ☐ NJ ☐ PA ☐ other ☐		USACE ☐ CLP-like ☐ USACE/DOD ☐		Standard ☐ CLP-like ☐ USACE/DOD ☐
Reportable to PADEP?		Sample Disposal		Reportable to PADEP?
Yes ☐ No ☐		Lab ☐ Special ☐		Yes ☐ No ☐
PWSID #		EDDS: Format Type		PWSID #



301 Fulling Mill Road
Middletown, PA 17057

P: (717) 944-5541

F: (717) 944-1430

Condition of Sample Receipt Form

Client: Coventry Work Order #: 3045730 Initials: CS Date: 7/16/19

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

Thermometer ID: 318

Radiological (µCi): _____

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

Rev. 4/29/2019

July 18, 2019

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

Certificate of Analysis

Project Name:	UST Testing	Workorder:	3045731
Purchase Order:		Workorder ID:	3964 Hill Dr.

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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: 3045731 3964 Hill Dr.

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045731001	3964 Miller-SW	Drinking Water	7/15/2019 15:00	7/16/2019 22:08	Mr. John VanWagenen
3045731002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045731 3964 Hill Dr.

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: 3045731 3964 Hill Dr.

Sample Comments

Lab ID: 3045731002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045731 3964 Hill Dr.

Lab ID: **3045731001**
Sample ID: **3964 Miller-SW**

Date Collected: 7/15/2019 15:00 Matrix: Drinking Water
Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 18:25	DD	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)	80.9		%	70 - 130	EPA 524.2			7/17/19 18:25	DD	A
4-Bromofluorobenzene (S)	77		%	70 - 130	EPA 524.2			7/17/19 18:25	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045731 3964 Hill Dr.

Lab ID: **3045731002**

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 7/16/2019 22:08

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

Sample Cancelled CANCEL

7/18/19 10:27 CPK



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3045731 3964 Hill Dr.

Lab ID	Sample ID	Analysis Method	Prep Method
3045731001	3964 Miller-SW	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.

of

Client Name: <i>John Van Wagner</i>		Container Type: <i>glass</i>		
Address: <i>PO Box 224 St Peters, PA 19470</i>		Container Size: <i>vial</i>		
Contact: <i>John Van Wagner</i>		Material: <i>water</i>		
Phone: <i>610 769-6540</i>				
Project Name#: <i>3964 Miller</i>				
Bill To: <i>Same</i>				
TAT ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.				
Date Required: <i>24 hr</i> Approved?				
Email? ☐ -Y				
Fax? ☐ -Y No:				
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yyyy	Time hh:mm	
1 <i>3964 Miller-SN</i>		<i>7-15-19</i>	<i>15:00</i>	
2 <i>trip blank</i>				
3				
4				
5				
6				
7				
8				
9				
10				
Enter Number of Containers Per Sample or Field Results Below.				
Matrix <i>6</i> <i>OW</i> <i>3</i>				
Sample/COC Comments				
ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment Other:				
W.O. Temp: <i>6</i> Therm ID: <i>315</i>				
Analyst Initials:				
Courier/Tracking #:				
Purchase Order #:				
Project Comments:				
ANALYSES/METHOD REQUESTED				
Special Processing				
Standard ☐ CLP-like ☐ USACE/DOD ☐				
Deliverables ☐				
Reportable to PADEP? ☐ Yes ☐ No ☐				
PWSID #				
EDDS: Formal Type				
State Samples Collected In				
USACE ☐ NY ☐ NJ ☐ PA ☐				
Sample Disposal				
Lab ☐ Special ☐				
other				



301 Fulling Mill Road
Middletown, PA 17057

P: (717) 944-5541

F: (717) 944-1430

Condition of Sample Receipt Form

Client:

Coventry

Work Order #:

3045731

Initials:

CS

Date:

7/18/19

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 _____

Thermometer ID: 318 _____

Radiological (µCi): _____

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

Rev. 4/29/2019

July 18, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3045736
Purchase Order:	Workorder ID: 4079 Chest SW

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 16, 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: 3045736 4079 Chest SW

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3045736001	4079 Chest SW	Drinking Water	7/15/2019 14:15	7/16/2019 22:08	Mr. John VanWagenen
3045736002	Trip Blank	Drinking Water	7/16/2019 22:08	7/16/2019 22:08	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3045736 4079 Chest SW

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: 3045736 4079 Chest SW

Sample Comments

Lab ID: 3045736002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3045736 4079 Chest SW

Lab ID: **3045736001**

Date Collected: 7/15/2019 14:15

Matrix: Drinking Water

Sample ID: **4079 Chest SW**

Date Received: 7/16/2019 22:08

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/17/19 20:26	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	83.6		%	70 - 130	EPA 524.2			7/17/19 20:26	DD	A
4-Bromofluorobenzene (S)	72.9		%	70 - 130	EPA 524.2			7/17/19 20:26	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3045736 4079 Chest SW

Lab ID: **3045736002**

Date Collected: 7/16/2019 22:08

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 7/16/2019 22:08

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

ADMINISTRATIVE

Sample Cancelled

CANCEL

7/18/19 10:30 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: 3045736 4079 Chest SW

Lab ID	Sample ID	Analysis Method	Prep Method
3045736001	4079 Chest SW	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: <i>Courtesy Env. Assoc.</i>		Container Type: <i>g(air)</i>		
Address: <i>10 Box 224 St. Peters, PA 19470</i>		Container Size: <i>Vial</i>		
Contact: <i>John Van Wagoner</i>		Preserve: <i>Yes</i>		
Phone#: <i>610-469-6540</i>		ANALYSES/METHOD REQUESTED		
Project Name/ID: <i>4079 Chest</i>				
Bill To: <i>same</i>				
TAT: ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.				
Date Required: <i>24 hr.</i>				
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	
1	<i>4079 Chest sw</i>	<i>7/15/19</i>	<i>14:15</i>	<i>6</i>
2	<i>trip blank</i>			<i>2</i>
3				
4				
5				
6				
7				
8				
9				
10				
SAMPLER COMMENTS: <i>John Van Wagoner</i>				
Relinquished By / Company Name		Date	Time	
1 <i>John Van Wagoner</i>		<i>7/16/19</i>	<i>16:30</i>	
3 <i>John Van Wagoner</i>		<i>7/16/19</i>	<i>16:30</i>	
5 <i>COMMON COURIER ALS COURIER</i>		<i>7/16/19</i>	<i>21:08</i>	
7				
9				
Enter Number of Containers Per Sample or Field Results Below.				
Matrix				
ALS Field Services: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment Other:				
Project Comments:				
Purchase Order #:				
Analyst Initials:				
W.O. Temp: <i>6</i> Therm ID: <i>315</i>				
(completed by Receiving Lab)				
State Samples Collected In				
Special Processing				
Data Deliverables				
Reportable to PADEP?				
PWSID #				
EDDS: Formal Type				



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

Condition of Sample Receipt Form

Client: Coventry Work Order #: 3045736 Initials: CS Date: 7/18/19

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 _____

Thermometer ID: 318 _____

Radiological (µCi): _____

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

Rev. 4/29/2019

July 11, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3044277
Purchase Order:	Workorder ID: Anger

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 9, 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: 3044277 Anger

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3044277001	SW	Drinking Water	7/8/2019 16:00	7/9/2019 21:05	Mr. John VanWagenen
3044277002	Trip Blank	Drinking Water	7/9/2019 21:05	7/9/2019 21:05	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3044277 Anger

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.
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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: 3044277 Anger

Lab ID: 3044277001

Date Collected: 7/8/2019 16:00

Matrix: Drinking Water

Sample ID: SW

Date Received: 7/9/2019 21:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Methyl t-Butyl Ether	4.3		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:50	DD	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)	90.1		%	70 - 130	EPA 524.2			7/10/19 17:50	DD	A
4-Bromofluorobenzene (S)	87.7		%	70 - 130	EPA 524.2			7/10/19 17:50	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3044277 Anger

Lab ID: 3044277002

Date Collected: 7/9/2019 21:05

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/9/2019 21:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 18:15	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	85.2		%	70 - 130	EPA 524.2			7/10/19 18:15	DD	A
4-Bromofluorobenzene (S)	85.9		%	70 - 130	EPA 524.2			7/10/19 18:15	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3044277 Anger

Lab ID	Sample ID	Analysis Method	Prep Method
3044277001	SW	EPA 524.2	
3044277002	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: <u>Coventry</u>	Work Order #: <u>3044277</u>	Initials: <u>aw</u>	Date: <u>7/11/19</u>
1. Were airbills / tracking numbers present and recorded?..... <u>NONE</u> YES NO Tracking number: _____			
2. Are Custody Seals on shipping containers intact?..... NONE <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?..... 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): 2

Thermometer ID: 318

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

Rev. 1/10/2019

July 11, 2019

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3044276
Purchase Order:	Workorder ID: UTS

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 9, 2019.

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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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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: 3044276 UTS

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3044276001	SW	Drinking Water	7/8/2019 15:30	7/9/2019 21:05	Mr. John VanWagenen
3044276002	Trip Blank	Drinking Water	7/9/2019 21:05	7/9/2019 21:05	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3044276 UTS

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: 3044276 UTS

Lab ID: 3044276001

Date Collected: 7/8/2019 15:30

Matrix: Drinking Water

Sample ID: SW

Date Received: 7/9/2019 21:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:02	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichlorobenzene-d4 (S)	87.4		%	70 - 130	EPA 524.2			7/10/19 17:02	DD	A
4-Bromofluorobenzene (S)	88.8		%	70 - 130	EPA 524.2			7/10/19 17:02	DD	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3044276 UTS

Lab ID: 3044276002

Date Collected: 7/9/2019 21:05

Matrix: Drinking Water

Sample ID: Trip Blank

Date Received: 7/9/2019 21:05

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			7/10/19 17:26	DD	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)	88.5		%	70 - 130	EPA 524.2			7/10/19 17:26	DD	A
4-Bromofluorobenzene (S)	88.6		%	70 - 130	EPA 524.2			7/10/19 17:26	DD	A



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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3044276 UTS

Lab ID	Sample ID	Analysis Method	Prep Method
3044276001	SW	EPA 524.2	
3044276002	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

Client: Cowenry Work Order #: 3644276 Initials: lw Date: 7-11-2019

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): 3

Thermometer ID: 815

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

Rev. 1/10/2019

June 25, 2020

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3109134
Purchase Order:	Workorder ID: 4030 Miller

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, June 17, 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

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Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3109134 4030 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3109134001	Raw	Drinking Water	6/17/2020 07:00	6/17/2020 21:10	Collected by Client
3109134002	Can-1	Drinking Water	6/17/2020 07:15	6/17/2020 21:10	Collected by Client
3109134003	Can-2	Drinking Water	6/17/2020 07:30	6/17/2020 21:10	Collected by Client
3109134004	Trip Blank	Drinking Water	6/17/2020 07:00	6/17/2020 21:10	Collected by Client

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SAMPLE SUMMARY

Workorder: 3109134 4030 Miller

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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: 3109134 4030 Miller

Lab ID: **3109134001**
Sample ID: **Raw**

Date Collected: 6/17/2020 07:00 Matrix: Drinking Water
Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/23/20 02:56	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 02:56	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 02:56	PDK	A
Methyl t-Butyl Ether	1.5		ug/L	0.50	EPA 524.2			6/23/20 02:56	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/23/20 02:56	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/23/20 02:56	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/23/20 02:56	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 02:56	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 02:56	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)	98.2		%	70 - 130	EPA 524.2			6/23/20 02:56	PDK	A
4-Bromofluorobenzene (S)	97		%	70 - 130	EPA 524.2			6/23/20 02:56	PDK	A



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ANALYTICAL RESULTS

Workorder: 3109134 4030 Miller

Lab ID: **3109134002**
Sample ID: **Can-1**

Date Collected: 6/17/2020 07:15 Matrix: Drinking Water
Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:22	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		%	70 - 130	EPA 524.2			6/23/20 03:22	PDK	A
4-Bromofluorobenzene (S)	90.2		%	70 - 130	EPA 524.2			6/23/20 03:22	PDK	A



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ANALYTICAL RESULTS

Workorder: 3109134 4030 Miller

Lab ID: **3109134003**

Date Collected: 6/17/2020 07:30

Matrix: Drinking Water

Sample ID: **Can-2**

Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:49	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:49	PDK	A
Isopropylbenzene	0.85		ug/L	0.50	EPA 524.2			6/23/20 03:49	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			6/23/20 03:49	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:49	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:49	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/23/20 03:49	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:49	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 03:49	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)	92.1		%	70 - 130	EPA 524.2			6/23/20 03:49	PDK	A
4-Bromofluorobenzene (S)	91.1		%	70 - 130	EPA 524.2			6/23/20 03:49	PDK	A



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ANALYTICAL RESULTS

Workorder: 3109134 4030 Miller

Lab ID: **3109134004**
Sample ID: **Trip Blank**

Date Collected: 6/17/2020 07:00 Matrix: Drinking Water
Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/25/20 03:52	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			6/25/20 03:52	PDK	A
4-Bromofluorobenzene (S)	87.6		%	70 - 130	EPA 524.2			6/25/20 03:52	PDK	A



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**ANALYSIS - PREP METHOD CROSS REFERENCE TABLE**

Workorder: 3109134 4030 Miller

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3109134001	Raw	EPA 524.2		
3109134002	Can-1	EPA 524.2		
3109134003	Can-2	EPA 524.2		
3109134004	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 #: *21010*

ALS Quid



Client Name: <i>Coventry Env. Assoc.</i>		Container Type: <i>glass</i>	ANALYSES/METHOD REQUESTED	
Address: <i>PO Box 224</i>		Container Size: <i>Vial</i>		
Contact: <i>St. Peters, PA 19470</i>		Personnel: <i>ASC/HCL</i>		
Phone#: <i>610-469-6540</i>				
Project Name/ID: <i>4030 Miller</i>				
Bill To: <i>same</i>				
TAT ☒ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALS approval and surcharges.				
Date Required: _____				
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	
1	<i>RAW</i>	<i>6/17/20</i>	<i>7:00</i>	<i>GC</i>
2	<i>CAN-1</i>	<i>7:15</i>	<i>↓</i>	<i>Matrix</i>
3	<i>CAN-2</i>	<i>7:30</i>	<i>↓</i>	
4	<i>trip blank</i>	<i>↓</i>	<i>2</i>	
5				
6				
7				
8				
9				
10				
SAMPLER COMMENTS: <i>John Van Wagoner</i>				
Received By / Company Name: <i>John Van Wagoner</i>				
1	<i>6/17/20</i>	<i>15:42</i>	<i>6/17/20</i>	<i>15:41</i>
3	<i>COMMON COURIERIALS COLLECTOR</i>	<i>15:44</i>	<i>COMMON COURIERIALS COLLECTOR</i>	
5	<i>COMMON COURIERIALS COLLECTOR</i>	<i>6</i>	<i>6/17/20</i>	<i>21:00</i>
7		<i>8</i>		
9		<i>10</i>		
State Samples Collected In		Special Processing	Standard	Deliverables
NY	☐	USACE	☐	☐
NJ	☐		CLP-like	☐
PA	☐		USACE/DOD	☐
other	☐			☐
Sample Disposal		Reportable to PADEP?	PWSID #	
Lab	☐	Yes ☐ No ☐		
Special	☐			
EDDS: Format Type				



301 Fulling Mill Road
Middletown, PA 17057

P: (717) 944-5541

F: (717) 944-1430

Condition of Sample Receipt Form

Client: ceventry Work Order #: 3109134 Initials: W Date: 6/18/20

- | | | | |
|--|-------------|------------|-----------|
| 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? ¹ | <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..... | | YES | <u>NO</u> |
| 13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... | | <u>YES</u> | NO |
| 13a. Are the samples required for SDWA compliance reporting?..... | <u>N/A</u> | YES | <u>NO</u> |
| 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): 8

Thermometer ID: 523

Radiological (µCi): _____

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

Back same day

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

June 25, 2020

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

Certificate of Analysis

Project Name: **UST Testing**Workorder: **3109136**

Purchase Order:

Workorder ID: **4050 Miller**

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, June 17, 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.

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: 3109136 4050 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3109136001	Raw	Drinking Water	6/17/2020 00:00	6/17/2020 21:10	Collected by Client
3109136002	Can-1	Drinking Water	6/17/2020 00:00	6/17/2020 21:10	Collected by Client
3109136003	Can-2	Drinking Water	6/17/2020 00:00	6/17/2020 21:10	Collected by Client
3109136004	Trip Blank	Drinking Water	6/17/2020 00:00	6/17/2020 21:10	Collected by Client

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SAMPLE SUMMARY

Workorder: 3109136 4050 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: 3109136 4050 Miller

Lab ID: **3109136001**
Sample ID: **Raw**

Date Collected: 6/17/2020 00:00 Matrix: Drinking Water
Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:15	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:15	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:15	PDK	A
Methyl t-Butyl Ether	4.7		ug/L	0.50	EPA 524.2			6/23/20 04:15	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:15	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:15	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/23/20 04:15	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:15	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:15	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)	89.8		%	70 - 130	EPA 524.2			6/23/20 04:15	PDK	A
4-Bromofluorobenzene (S)	85.8		%	70 - 130	EPA 524.2			6/23/20 04:15	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3109136 4050 Miller

Lab ID: **3109136002**
Sample ID: **Can-1**

Date Collected: 6/17/2020 00:00 Matrix: Drinking Water
Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:41	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:41	PDK	A
Isopropylbenzene	1.0		ug/L	0.50	EPA 524.2			6/23/20 04:41	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			6/23/20 04:41	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:41	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:41	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/23/20 04:41	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:41	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 04:41	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)	96.5		%	70 - 130	EPA 524.2			6/23/20 04:41	PDK	A
4-Bromofluorobenzene (S)	91.4		%	70 - 130	EPA 524.2			6/23/20 04:41	PDK	A



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ANALYTICAL RESULTS

Workorder: 3109136 4050 Miller

Lab ID: **3109136003**

Date Collected: 6/17/2020 00:00

Matrix: Drinking Water

Sample ID: **Can-2**

Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	2.3		ug/L	0.50	EPA 524.2			6/23/20 05:07	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:07	PDK	A
Isopropylbenzene	1.4		ug/L	0.50	EPA 524.2			6/23/20 05:07	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			6/23/20 05:07	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:07	PDK	A
Toluene	0.62		ug/L	0.50	EPA 524.2			6/23/20 05:07	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/23/20 05:07	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:07	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:07	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)	96		%	70 - 130	EPA 524.2			6/23/20 05:07	PDK	A
4-Bromofluorobenzene (S)	96		%	70 - 130	EPA 524.2			6/23/20 05:07	PDK	A



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ANALYTICAL RESULTS

Workorder: 3109136 4050 Miller

Lab ID: **3109136004**
Sample ID: **Trip Blank**

Date Collected: 6/17/2020 00:00 Matrix: Drinking Water
Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/25/20 04:18	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)	98.6		%	70 - 130	EPA 524.2			6/25/20 04:18	PDK	A
4-Bromofluorobenzene (S)	94.9		%	70 - 130	EPA 524.2			6/25/20 04:18	PDK	A



Jessica Lee Smith
Project Coordinator

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**ANALYSIS - PREP METHOD CROSS REFERENCE TABLE**

Workorder: 3109136 4050 Miller

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3109136001	Raw	EPA 524.2		
3109136002	Can-1	EPA 524.2		
3109136003	Can-2	EPA 524.2		
3109136004	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 #: 3109136
ALS Quota

Client Name: Coventry Env. Assoc.

Address: PO Box 224

St. Peters, PA 19470

Contact: John Van Wagoner

Phone#: 610 469 6140

Project Name#: 4030 Miller

Bill To: Same

TAT ☒ Normal-Standard TAT is 10-12 business days.
☐ Rush-Subject to ALS approval and surcharges.
Date Required: ☐ -Y ☐ -Y No.: ☐ Approved?

Email? ☐ -Y ☐ -Y No.: ☐

Fax? ☐ -Y ☐ -Y No.: ☐

Sample Description/Location
(as it will appear on the lab report)

Date Collected
mm/dd/yyyy

Time
hh:mm

1 Row 6/17/20

2 Can-1 ↓

3 Can-2 ↓

4 Trip Blank ↓

5

6

7

8

9

10

SAMPLED BY (Please Print):

John Van Wagoner

Received By / Company Name

Date

Time

1 John Van Wagoner 6/17/20 1524

3 COMMON COURIER/ALS COURIER 6/17/20 1524

5 COMMON COURIER/ALS COURIER 6/17/20 1524

7

9

Container Type

Glass

Container Size

Vial

Parameters

ALC

HC

gaseous 524.2 Diox

PADP Unleaded

**Matrix

G or C

G

3

3

3

2

3

3

3

2

3

3

3

2

3

3

3

2

3

3

3

2

3

3

3

2

3

3

3

2

3

3

3

2

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Sample or Field Results Below.

Standard

CLP-like

USACE/DOD

USACE

Reportable to PADEP?

Yes

No

PWSID #

Format Type

State Samples Collected In

NY

NJ

PA

Lab

Special

Other



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

Condition of Sample Receipt Form

Client: Leventry Work Order #: 309136 Initials: _____ Date: W 6/28/20

1. Were airbills / tracking numbers present and recorded?.....	<u>NONE</u>	YES	NO
Tracking number: _____			
2. Are Custody Seals on shipping containers intact?.....	NONE	<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?.....		YES	<u>NO</u>
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?.....		YES	<u>NO</u>
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.....		YES	<u>NO</u>
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below.....		<u>YES</u>	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 #: 1

Temperature (°C): 8

Thermometer ID: 523

Radiological (µCi): _____

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

No times on coc or labels. Met on Sunday

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

June 24, 2020

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3109138
Purchase Order:	Workorder ID: 4035 Miller

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, June 17, 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

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: 3109138 4035 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3109138001	4035 Miller SW	Drinking Water	6/17/2020 08:30	6/17/2020 21:10	Collected by Client
3109138002	Trip Blank	Drinking Water	6/17/2020 08:30	6/17/2020 21:10	Collected by Client

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SAMPLE SUMMARY

Workorder: 3109138 4035 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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PROJECT SUMMARY

Workorder: 3109138 4035 Miller

Sample Comments

Lab ID: 3109138002

Sample ID: Trip Blank

Sample Type: SAMPLE

This sample was cancelled per project specifications.

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ANALYTICAL RESULTS

Workorder: 3109138 4035 Miller

Lab ID: **3109138001**
Sample ID: **4035 Miller SW**

Date Collected: 6/17/2020 08:30 Matrix: Drinking Water
Date Received: 6/17/2020 21:10

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/23/20 05:33	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)	97.2		%	70 - 130	EPA 524.2			6/23/20 05:33	PDK	A
4-Bromofluorobenzene (S)	95.9		%	70 - 130	EPA 524.2			6/23/20 05:33	PDK	A



Jessica Lee Smith
Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 3109138 4035 Miller

Lab ID: **3109138002**

Date Collected: 6/17/2020 08:30

Matrix: Drinking Water

Sample ID: **Trip Blank**

Date Received: 6/17/2020 21:10

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

ADMINISTRATIVE

Sample Cancelled

CANCEL

6/24/20 09:16 CPK

Jessica Lee Smith
Project Coordinator**ALS Environmental Laboratory Locations Across North America**

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3109138 4035 Miller

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3109138001	4035 Miller SW	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 #:

ALS Quot#



* 3 1 0 9 1 3 8 *

Client Name: <u>Courtesy Env. Assoc</u>		Container Type: <u>gall</u>		
Address: <u>80 Box 224</u>		Container Size: <u>vial</u>		
<u>St. Peters, PA 19470</u>		Preserve: <u>refriger</u>		
Contact: <u>John Van Drogen</u>		ANALYSIS METHOD REQUESTED		
Phone#: <u>610-464-6540</u>				
Project Name#: <u>4035 Miller</u>				
Bill To: <u>same</u>				
TAT ☒ Normal-Standard TAT is 10-12 business days.				
☐ Rush-Subject to ALS approval and surcharges.				
Date Required: _____				
Email? ☐ -Y				
Fax? ☐ -Y No: _____				
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yyyy	Time hh:mm	
1 <u>4035 Miller SW</u>		<u>6/17/20</u>	<u>8:30</u>	<u>6</u>
2 <u>Trip Blank</u>				<u>3</u>
3 <u>water</u>				<u>2</u>
4				
5				
6				
7				
8				
9				
10				
SAMPLER BY (Please Print): <u>John Van Drogen</u>		Sampler Comments:		
Requisitioned By / Company Name		Date	Time	Received By / Company Name
1 <u>John Van Drogen</u>		<u>6/17/20</u>	<u>15:00</u>	<u>John Van Drogen</u>
3 <u>John Van Drogen</u>		<u>6/17/20</u>	<u>15:00</u>	<u>John Van Drogen</u>
5 <u>John Van Drogen</u>		<u>6/17/20</u>	<u>15:00</u>	<u>John Van Drogen</u>
7 <u>John Van Drogen</u>		<u>6/17/20</u>	<u>15:00</u>	<u>John Van Drogen</u>
9				
Enter Number of Containers Per Sample or Field Results Below.				
Sample/COC Comments				
ALS Field Services: ☐ Pickup ☐ Labor				
☐ Composite Sampling ☐ Rental Equipment				
Other: _____				
Purchase Order #:				
Project Comments:				
Courier/Tracking #:				
Analyst Initials:				
W.O. Temp: <u>12</u>				
ALS Quot#				
COC #:				

Standard ☐	Special Processing ☐	State Samples Collected In
CLP-like ☐	USACE ☐	NY ☐
USACE/DOD ☐	USACE ☐	NJ ☐
Reportable to PADEP? Yes ☐ No ☐	Sample Disposal Lab ☐ Special ☐	PA ☐
PWSID # _____		Other ☐

EDDS: Format Type: _____

* G=Grab; C=Composite ** Matrix - A=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



301 Fulling Mill Road
Middletown, PA 17057

P: (717) 944-5541

F: (717) 944-1430

Condition of Sample Receipt Form

Client: ccventry Work Order #: 309138 Initials: _____ Date: 1w 6/18/20

- | | | | |
|--|-------------|------------|-----------|
| 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?..... | | YES | <u>NO</u> |
| 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..... | | YES | <u>NO</u> |
| 13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... | | <u>YES</u> | <u>NO</u> |
| 13a. Are the samples required for SDWA compliance reporting?..... | N/A | YES | <u>NO</u> |
| 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): 8

Thermometer ID: 523

Radiological (µCi): _____

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

Added TB to chain. Pres'd same day

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

June 24, 2020

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3109830
Purchase Order:	Workorder ID: 4018 Miller

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Monday, June 22, 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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Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3109830 4018 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3109830001	4018 Miller	Drinking Water	6/22/2020 10:30	6/22/2020 20:00	Mr. John VanWagenen
3109830002	Trip Blank	Drinking Water	6/22/2020 10:30	6/22/2020 20:00	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3109830 4018 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: 3109830 4018 Miller

Lab ID: **3109830001**
Sample ID: **4018 Miller**

Date Collected: 6/22/2020 10:30 Matrix: Drinking Water
Date Received: 6/22/2020 20:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/24/20 04:32	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/24/20 04:32	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			6/24/20 04:32	PDK	A
Methyl t-Butyl Ether	0.58		ug/L	0.50	EPA 524.2			6/24/20 04:32	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/24/20 04:32	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/24/20 04:32	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/24/20 04:32	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/24/20 04:32	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/24/20 04:32	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)	95.1		%	70 - 130	EPA 524.2			6/24/20 04:32	PDK	A
4-Bromofluorobenzene (S)	90.9		%	70 - 130	EPA 524.2			6/24/20 04:32	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3109830 4018 Miller

Lab ID: **3109830002**
Sample ID: **Trip Blank**

Date Collected: 6/22/2020 10:30 Matrix: Drinking Water
Date Received: 6/22/2020 20:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			6/24/20 01:28	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)	95.7		%	70 - 130	EPA 524.2			6/24/20 01:28	PDK	A
4-Bromofluorobenzene (S)	91.5		%	70 - 130	EPA 524.2			6/24/20 01:28	PDK	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3109830 4018 Miller

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3109830001	4018 Miller	EPA 524.2		
3109830002	Trip Blank	EPA 524.2		

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

Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

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

Page 1 of 1
Courier:
Tracking #:

Co. Name: <u>County Env. Assoc. Inc.</u>		Contact (Report to): <u>John Van Wageningen</u>		Address: <u>90 Box 224</u> <u>St. Peters, PA 19970</u>		Bill to (if different than Report to): <u>same</u>		Project Name#: <u>4018 Miller</u>		ALS Quote #: <u> </u>	
Phone: <u>610-469 6548</u>		TAT: ☒ Normal-Standard TAT is 10-12 business days.		Date Required: <u>6/20/20 10:30</u>		Sample Date: <u>6/20/20 10:30</u>		Sample Time: <u>10:30</u>		Military Time: <u> </u>	
Email? <u> </u>		Fax? <u> </u>		COC Comments: <u> </u>		Sample Description/Location (as it will appear on the lab report): <u>4018 Miller</u>		Enter Number of Containers Per Analysis		Enter Number of Containers Per Analysis	
1		2		3		4		5		6	
7		8		9		10		11		12	
13		14		15		16		17		18	
19		20		21		22		23		24	
25		26		27		28		29		30	
31		32		33		34		35		36	
37		38		39		40		41		42	
43		44		45		46		47		48	
49		50		51		52		53		54	
55		56		57		58		59		60	
61		62		63		64		65		66	
67		68		69		70		71		72	
73		74		75		76		77		78	
79		80		81		82		83		84	
85		86		87		88		89		90	
91		92		93		94		95		96	
97		98		99		100		101		102	
103		104		105		106		107		108	
109		110		111		112		113		114	
115		116		117		118		119		120	
121		122		123		124		125		126	
127		128		129		130		131		132	
133		134		135		136		137		138	
139		140		141		142		143		144	
145		146		147		148		149		150	
151		152		153		154		155		156	
157		158		159		160		161		162	
163		164		165		166		167		168	
169		170		171		172		173		174	
175		176		177		178		179		180	
181		182		183		184		185		186	
187		188		189		190		191		192	
193		194		195		196		197		198	
199		200		201		202		203		204	
205		206		207		208		209		210	
211		212		213		214		215		216	
217		218		219		220		221		222	
223		224		225		226		227		228	
229		230		231		232		233		234	
235		236		237		238		239		240	
241		242		243		244		245		246	
247		248		249		250		251		252	
253		254		255		256		257		258	
259		260		261		262		263		264	
265		266		267		268		269		270	
271		272		273		274		275		276	
277		278		279		280		281		282	
283		284		285		286		287		288	
289		290		291		292		293		294	
295		296		297		298		299		300	

Container Type: AG-Ambic Glass, CG-Clear Glass, PL-Plastic, Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.



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 #: 3109830 Initials: Gom Date: 6/22/2020

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 YES NO
5. Are the COC and bottle labels complete, legible and in agreement? YES YES NO
- 5a. Does the COC contain sample locations? YES YES NO
- 5b. Does the COC contain date and time of sample collection for all samples? YES YES NO
- 5c. Does the COC contain sample collectors name? YES YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles? YES YES NO
- 5e. Does the COC note the number of bottles submitted for each sample? YES YES NO
- 5f. Does the COC note the type of sample, composite or grab? YES YES NO
- 5g. Does the COC note the matrix of the sample(s)? YES 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 YES NO
8. Are all samples within holding times for the requested analyses? YES YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.) YES 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 YES NO
12. Were sample temperatures measured at 0.0-6.0°C YES YES NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below YES 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°C _____

Thermometer ID: 301 _____

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

November 5, 2020

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

Certificate of Analysis

Project Name: **UST Testing**Workorder: **3137916**

Purchase Order:

Workorder ID: **4050 Miller**

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, October 30, 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.

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: 3137916 4050 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3137916001	Raw	Drinking Water	10/30/2020 10:15	10/30/2020 15:00	Mr. John VanWagenen
3137916002	Can 1	Drinking Water	10/30/2020 10:30	10/30/2020 15:00	Mr. John VanWagenen
3137916003	Can 2	Drinking Water	10/30/2020 10:45	10/30/2020 15:00	Mr. John VanWagenen
3137916004	Trip Blank	Drinking Water	10/30/2020 10:15	10/30/2020 15:00	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3137916 4050 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: 3137916 4050 Miller

Lab ID: **3137916001**
Sample ID: **Raw**

Date Collected: 10/30/2020 10:15 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/3/20 16:51	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 16:51	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 16:51	TMP	A
Methyl t-Butyl Ether	5.6		ug/L	0.50	EPA 524.2			11/3/20 16:51	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 16:51	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 16:51	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 16:51	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 16:51	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 16:51	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)	92.4		%	70 - 130	EPA 524.2			11/3/20 16:51	TMP	A
4-Bromofluorobenzene (S)	81.6		%	70 - 130	EPA 524.2			11/3/20 16:51	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3137916 4050 Miller

Lab ID: **3137916002**
Sample ID: **Can 1**

Date Collected: 10/30/2020 10:30 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:18	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)	93.9		%	70 - 130	EPA 524.2			11/3/20 17:18	TMP	A
4-Bromofluorobenzene (S)	82.9		%	70 - 130	EPA 524.2			11/3/20 17:18	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3137916 4050 Miller

Lab ID: **3137916003**

Date Collected: 10/30/2020 10:45

Matrix: Drinking Water

Sample ID: **Can 2**

Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 17:46	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)	88		%	70 - 130	EPA 524.2			11/3/20 17:46	TMP	A
4-Bromofluorobenzene (S)	82.9		%	70 - 130	EPA 524.2			11/3/20 17:46	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3137916 4050 Miller

Lab ID: **3137916004**
Sample ID: **Trip Blank**

Date Collected: 10/30/2020 10:15 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 13:38	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			11/3/20 13:38	TMP	A
4-Bromofluorobenzene (S)	91.3		%	70 - 130	EPA 524.2			11/3/20 13:38	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3137916 4050 Miller

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3137916001	Raw	EPA 524.2		
3137916002	Can 1	EPA 524.2		
3137916003	Can 2	EPA 524.2		
3137916004	Trip Blank	EPA 524.2		

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COI AL

of

[illegible]

November 5, 2020

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3137917
Purchase Order:	Workorder ID: 4018 Miller

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, October 30, 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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Jessica Lee Smith
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3137917 4018 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3137917001	Raw	Drinking Water	10/30/2020 09:15	10/30/2020 15:00	Mr. John VanWagenen
3137917002	Can 1	Drinking Water	10/30/2020 09:30	10/30/2020 15:00	Mr. John VanWagenen
3137917003	Can 2	Drinking Water	10/30/2020 09:45	10/30/2020 15:00	Mr. John VanWagenen
3137917004	Trip Blank	Drinking Water	10/30/2020 09:15	10/30/2020 15:00	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3137917 4018 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.
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- 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: 3137917 4018 Miller

Lab ID: **3137917001**

Date Collected: 10/30/2020 09:15

Matrix: Drinking Water

Sample ID: **Raw**

Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	1.7		ug/L	0.50	EPA 524.2			11/3/20 18:13	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:13	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:13	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 18:13	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:13	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:13	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 18:13	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:13	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:13	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)	86.4		%	70 - 130	EPA 524.2			11/3/20 18:13	TMP	A
4-Bromofluorobenzene (S)	82.5		%	70 - 130	EPA 524.2			11/3/20 18:13	TMP	A



Jessica Lee Smith
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3137917 4018 Miller

Lab ID: **3137917002**
Sample ID: **Can 1**

Date Collected: 10/30/2020 09:30 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	5.8		ug/L	0.50	EPA 524.2			11/3/20 18:40	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:40	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:40	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 18:40	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:40	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:40	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 18:40	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:40	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 18:40	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			11/3/20 18:40	TMP	A
4-Bromofluorobenzene (S)	86.9		%	70 - 130	EPA 524.2			11/3/20 18:40	TMP	A



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ANALYTICAL RESULTS

Workorder: 3137917 4018 Miller

Lab ID: **3137917003**

Date Collected: 10/30/2020 09:45

Matrix: Drinking Water

Sample ID: **Can 2**

Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND	1,2	ug/L	0.50	EPA 524.2			11/3/20 19:08	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:08	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:08	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 19:08	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:08	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:08	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 19:08	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:08	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:08	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)	90.8		%	70 - 130	EPA 524.2			11/3/20 19:08	TMP	A
4-Bromofluorobenzene (S)	81.4		%	70 - 130	EPA 524.2			11/3/20 19:08	TMP	A



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ANALYTICAL RESULTS

Workorder: 3137917 4018 Miller

Lab ID: **3137917004**
Sample ID: **Trip Blank**

Date Collected: 10/30/2020 09:15 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 14:06	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)	102		%	70 - 130	EPA 524.2			11/3/20 14:06	TMP	A
4-Bromofluorobenzene (S)	89.5		%	70 - 130	EPA 524.2			11/3/20 14:06	TMP	A



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ANALYTICAL RESULTS

Workorder: 3137917 4018 Miller

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3137917003	1	Can 2	EPA 524.2	Benzene
The QC sample type MS for method EPA 524.2 was outside the control limits for the analyte Benzene. The % Recovery was reported as 168 and the control limits were 70 to 130.				
3137917003	2	Can 2	EPA 524.2	Benzene
The QC sample type MSD for method EPA 524.2 was outside the control limits for the analyte Benzene. The % Recovery was reported as 162 and the control limits were 70 to 130.				

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3137917 4018 Miller

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3137917001	Raw	EPA 524.2		
3137917002	Can 1	EPA 524.2		
3137917003	Can 2	EPA 524.2		
3137917004	Trip Blank	EPA 524.2		

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301 Fulling Mill Road
Middletown, PA 17057
P. 717-944-5501
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>Cowcountry Env. Assoc</u>		Container Type: <u>glass</u>	W.O. Temp: <u>3</u> Therm ID: <u>294</u>	
Address: <u>PO Box 224</u> <u>St. Peters, PA 19470</u>		Container Size: <u>vial</u>	Analyst Initials: _____	
Contact: <u>John Van Wageningen</u>		Preservation: <u>4/ASC</u>	Courier/Tracking #: _____	
Phone#: <u>610-469-6540</u>		Purchase Order #: _____		
Project Name#: <u>4018 Miller</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.		Enter Number of Containers Per Sample or Field Results Below.		
Date Required: <u>3 days</u> Approved? _____		Sample/COC Comments		
Email? ☐ -Y ☐ -N				
Fax? ☐ -Y ☐ -N				
Sample Description/Location (as it will appear on the lab report)		Date Collected mm/dd/yyyy	Time	
1	RAW	10/3/20	9:30	2
2	CAN 2	↓	9:30	2
3	trip blank	↓	9:45	2
4				2
5				
6				
7				
8				
9				
10				
SAMPLER COMMENTS: <u>John Van Wageningen</u>				
Receiving By / Company Name		Date	Time	Received By / Company Name
1 <u>John Van Wageningen</u>		10/3/20	13:40	2 <u>Gar</u>
3 <u>John Van Wageningen</u>		10/3/20	15:00	4 <u>Gar</u>
5 <u>John Van Wageningen</u>				6 <u>Gar</u>
7 <u>John Van Wageningen</u>				8 <u>Gar</u>
9 <u>John Van Wageningen</u>				10 <u>Gar</u>
State Samples Collected In		Special Processing		Other
☐ NY	☐ USACE	☐ Standard	☐ CLP-like	☐ Lab
☐ NJ	☐ USACE/DOD	☐ Deliverables	☐ Reportable to PADEP?	☐ Special
☐ PA	☐ Sample Disposal	☐ Yes ☐ No	PWSID #	
☐ other				
EDDS: Format Type _____				

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



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

Condition of Sample Receipt Form

Client: Cerentry Env. Assn. Work Order #: 3137917 Initials: GS Date: 10/31/20

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 YES NO
5. Are the COC and bottle labels complete, legible and in agreement? YES YES NO
- 5a. Does the COC contain sample locations? YES YES NO
- 5b. Does the COC contain date and time of sample collection for all samples? YES YES NO
- 5c. Does the COC contain sample collectors name? YES YES NO
- 5d. Does the COC note the type(s) of preservation for all bottles? YES YES NO
- 5e. Does the COC note the number of bottles submitted for each sample? YES YES NO
- 5f. Does the COC note the type of sample, composite or grab? YES YES NO
- 5g. Does the COC note the matrix of the sample(s)? YES 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 YES NO
8. Are all samples within holding times for the requested analyses? YES YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.) YES 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 YES NO
12. Were sample temperatures measured at 0.0-6.0°C YES YES NO
13. Are the samples DW matrix? If YES, fill out Reportable Drinking Water questions below YES YES NO GS 10/31
- 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°C _____

Thermometer ID: 294 _____

Radiological (µCi): _____

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

Matrix Says GW but analysis is DW?

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

November 5, 2020

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3137918
Purchase Order:	Workorder ID: 4054 Chestnut

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Friday, October 30, 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

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: 3137918 4054 Chestnut

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3137918001	Raw	Drinking Water	10/30/2020 11:30	10/30/2020 15:00	Mr. John VanWagenen
3137918002	Can 1	Drinking Water	10/30/2020 11:45	10/30/2020 15:00	Mr. John VanWagenen
3137918003	Can 2	Drinking Water	10/30/2020 12:00	10/30/2020 15:00	Mr. John VanWagenen
3137918004	Trip Blank	Drinking Water	10/30/2020 11:30	10/30/2020 15:00	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3137918 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
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: 3137918 4054 Chestnut

Lab ID: **3137918001**
Sample ID: **Raw**

Date Collected: 10/30/2020 11:30 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:34	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:34	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:34	TMP	A
Methyl t-Butyl Ether	15.6		ug/L	0.50	EPA 524.2			11/3/20 19:34	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:34	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:34	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 19:34	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:34	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 19:34	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)	97.4		%	70 - 130	EPA 524.2			11/3/20 19:34	TMP	A
4-Bromofluorobenzene (S)	84		%	70 - 130	EPA 524.2			11/3/20 19:34	TMP	A



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ANALYTICAL RESULTS

Workorder: 3137918 4054 Chestnut

Lab ID: **3137918002**
Sample ID: **Can 1**

Date Collected: 10/30/2020 11:45 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:01	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)	90.3		%	70 - 130	EPA 524.2			11/3/20 20:01	TMP	A
4-Bromofluorobenzene (S)	81.6		%	70 - 130	EPA 524.2			11/3/20 20:01	TMP	A



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Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3137918 4054 Chestnut

Lab ID: **3137918003**
Sample ID: **Can 2**

Date Collected: 10/30/2020 12:00 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/3/20 20:28	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)	86.3		%	70 - 130	EPA 524.2			11/3/20 20:28	TMP	A
4-Bromofluorobenzene (S)	81.4		%	70 - 130	EPA 524.2			11/3/20 20:28	TMP	A



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ANALYTICAL RESULTS

Workorder: 3137918 4054 Chestnut

Lab ID: **3137918004**
Sample ID: **Trip Blank**

Date Collected: 10/30/2020 11:30 Matrix: Drinking Water
Date Received: 10/30/2020 15:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	PDK	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	PDK	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	PDK	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	PDK	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	PDK	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	PDK	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	PDK	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	PDK	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/4/20 02:03	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)	87.1		%	70 - 130	EPA 524.2			11/4/20 02:03	PDK	A
4-Bromofluorobenzene (S)	81.5		%	70 - 130	EPA 524.2			11/4/20 02:03	PDK	A



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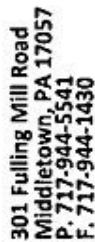
**ANALYSIS - PREP METHOD CROSS REFERENCE TABLE**

Workorder: 3137918 4054 Chestnut

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3137918001	Raw	EPA 524.2		
3137918002	Can 1	EPA 524.2		
3137918003	Can 2	EPA 524.2		
3137918004	Trip Blank	EPA 524.2		

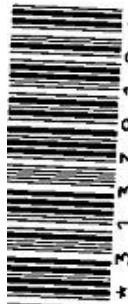
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CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS

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



★ 3 1 3 7 9 1 8 ★

Client Name: Country Inn, Assoc				Container Type: glass			
Address: PO Box 224				Container Size: via			
St. Peters, PA 19470				Permit No: HC4			
Contact: John Van Wageningen				ANALYSES/METHOD REQUESTED			
Phone#: 610-469-6540				PADEP unleaded gas 5 gal. 2 Drunk			
Project Name/ID: 4054 - Chartaut							
Bill To: same							
☒ Normal-Standard TAT is 10-12 business days. ☐ Rush-Subject to ALS approval and surcharges.				Enter Number of Containers Per Sample or Field Results Below.			
Date Required: ☐ -Y ☐ -Y No.: Email? ☐ ☐ Fax? ☐ ☐				Sample Description/Location (as it will appear on the lab report)			
Date Collected mm/dd/yy				Time hh:mm			
1				10/30/20 11:30			
2				CAN 1 11:45			
3				CAN 2 12:00			
4				trip blank			
5							
6							
7							
8							
9							
10							
Sample Comments:							
Relinquished By / Company Name: John Van Wageningen							
Date		Time		Received By / Company Name		Date	
10/20/20		13:37		John Van Wageningen		10/20/20	
11/30/20		15:00		John Van Wageningen		11/30/20	
12/30/20		15:00		John Van Wageningen		12/30/20	
1/30/21		15:00		John Van Wageningen		1/30/21	
2/30/21		15:00		John Van Wageningen		2/30/21	
3/30/21		15:00		John Van Wageningen		3/30/21	
4/30/21		15:00		John Van Wageningen		4/30/21	
5/30/21		15:00		John Van Wageningen		5/30/21	
6/30/21		15:00		John Van Wageningen		6/30/21	
7/30/21		15:00		John Van Wageningen		7/30/21	
8/30/21		15:00		John Van Wageningen		8/30/21	
9/30/21		15:00		John Van Wageningen		9/30/21	
State Samples Collected In: ☐ NY ☐ NJ ☐ PA ☐ other							
Special Processing: ☐ USACE ☐ USACE/DOD							
Reportable to PADEP? ☐ Yes ☐ No							
PWSID #							
EDDS: Formal Type							

**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 04/19

ALS



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

Condition of Sample Receipt Form

Client: Cerantony Env. Assn. Work Order #: 3137914 Initials: Com Date: 10/31/2020

- | | | | |
|--|-------------|-----|-----------|
| 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> | YES | 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> | YES | NO |
| 5. Are the COC and bottle labels complete, legible and in agreement?..... | <u>YES</u> | YES | NO |
| 5a. Does the COC contain sample locations?..... | <u>YES</u> | YES | NO |
| 5b. Does the COC contain date and time of sample collection for all samples?..... | <u>YES</u> | YES | NO |
| 5c. Does the COC contain sample collectors name?..... | <u>YES</u> | YES | NO |
| 5d. Does the COC note the type(s) of preservation for all bottles?..... | <u>YES</u> | YES | NO |
| 5e. Does the COC note the number of bottles submitted for each sample?..... | <u>YES</u> | YES | NO |
| 5f. Does the COC note the type of sample, composite or grab?..... | <u>YES</u> | YES | NO |
| 5g. Does the COC note the matrix of the sample(s)?..... | <u>YES</u> | YES | NO |
| 6. Are all aqueous samples requiring preservation preserved correctly? ¹ | <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> | YES | NO |
| 8. Are all samples within holding times for the requested analyses?..... | <u>YES</u> | YES | NO |
| 9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... | <u>YES</u> | YES | NO |
| 10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... | <u>N/A</u> | YES | NO |
| 11. Were the samples received on ice?..... | <u>YES</u> | YES | NO |
| 12. Were sample temperatures measured at 0.0-6.0°C..... | <u>YES</u> | YES | NO |
| 13. Are the samples DW matrix? If YES, fill out Reportable Drinking Water questions below..... | <u>YES</u> | YES | <u>NO</u> |
| 13a. Are the samples required for SDWA compliance reporting?..... | <u>N/A</u> | YES | <u>NO</u> |
| 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): 5°C

Thermometer ID: 294

Radiological (µCi): _____

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

Matrix Says GW but analysis is DW?

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



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



REPORTABLE DRINKING
WATER
CHAIN-OF-CUSTODY
FORM

3137 919

COMPANY NAME:	Active	PWS CONTACT NAME:	FREDERICK LIVING
CONTACT:		PWS PHONE NUMBER:	267-446-0017
ADDRESS:		PWSID NUMBER:	1460075
PHONE NUMBER:		If GW New Source sample, Regional DEP Office Location and Phone No.:	
EMAIL:		REPORTING STATE:	PA

SAMPLE INFORMATION

P.O. OR QUOTE NUMBER	Container Type	PL									
	Container Size	250									
	Preservative	ADA									

Analyses/Method Requested

Sample Location No. and Description	G-Grab or C-Composite	Sample Type (see key below)	Sample Date ex: MM/DD/YY	Sample Time Military Time hh:mm	Enter Number of Containers Per Sample Below												
1 13673	G	E	10/23/20	0635	1	ENTER	PL	101									
2 13674	G	E	10/23/20	0637	1	"	"	102									
3 13675	G	E	10/24/20	1315	1	"	"	101									
4 13676	G	E	10/24/20	1357	1	"	"	102									
5 13677	G	E	10/25/20	1450	1	"	"	101									
6 13678	G	E	10/25/20	1452	1	"	"	102									
7 13679	G	E	10/26/20	0640	1	"	"	101									
8 13680	G	E	10/26/20	0642	1	"	"	102									
9 13681	G	E	10/27/20	0635	1	"	"	101									
10 13682	G	E	10/27/20	0637	1	"	"	102									

SAMPLES COLLECTED BY:

SAMPLE TYPE KEY

Printed Name:	L. Diehl	D = Distribution	C = Check	A = Annual Start Up
Signature:		E = Entry Point	P = Plant	
If Maryland, Cert #:		R = Raw	S = Special	

SPECIAL TAT
REQUESTS OR
NOTES:

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME
1 Megan Diehl / Active	10/30/20 0830	1 [Signature]	10/30 1348
2 [Signature]	10/30 1000	2 [Signature]	10/31/20 1500
3		3	
4		4	

Receipt Information (Completed by ALS Receiving Laboratory)

Completed by Receiving-Initials:	Cooler Temp (C):	3	Therm#:	294	Received on Ice?	Y / N
Samples approved for log in?	Y / N	If no, reason(s) for sample rejection:				

If any of the required information in the shaded areas is missing from this chain of custody, the client will have 48 hours to provide the missing information. Otherwise, the samples will be rejected. Instructions on completing this chain of custody are located on the reverse side of this document.

Page ____ of ____

Rev. 5-Apr 2019

November 11, 2020

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

Certificate of Analysis

Project Name: UST Testing	Workorder: 3139238
Purchase Order:	Workorder ID: 4030 Miller

Dear Mr. VanWagenen:

Enclosed are the analytical results for samples received by the laboratory on Thursday, November 5, 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.

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: 3139238 4030 Miller

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3139238001	Raw	Drinking Water	11/5/2020 09:15	11/5/2020 21:00	Mr. John VanWagenen
3139238002	Can 1	Drinking Water	11/5/2020 13:30	11/5/2020 21:00	Mr. John VanWagenen
3139238003	Can 2	Drinking Water	11/5/2020 09:45	11/5/2020 21:00	Mr. John VanWagenen
3139238004	Trip Blank	Drinking Water	11/5/2020 00:00	11/5/2020 21:00	Mr. John VanWagenen

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SAMPLE SUMMARY

Workorder: 3139238 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: 3139238 4030 Miller

Lab ID: **3139238001**

Date Collected: 11/5/2020 09:15

Matrix: Drinking Water

Sample ID: **Raw**

Date Received: 11/5/2020 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:07	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:07	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:07	TMP	A
Methyl t-Butyl Ether	1.8		ug/L	0.50	EPA 524.2			11/10/20 17:07	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:07	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:07	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/10/20 17:07	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:07	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:07	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)	82.3		%	70 - 130	EPA 524.2			11/10/20 17:07	TMP	A
4-Bromofluorobenzene (S)	73.9		%	70 - 130	EPA 524.2			11/10/20 17:07	TMP	A



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ANALYTICAL RESULTS

Workorder: 3139238 4030 Miller

Lab ID: **3139238002**
Sample ID: **Can 1**

Date Collected: 11/5/2020 13:30 Matrix: Drinking Water
Date Received: 11/5/2020 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 17:34	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)	81.6		%	70 - 130	EPA 524.2			11/10/20 17:34	TMP	A
4-Bromofluorobenzene (S)	76.9		%	70 - 130	EPA 524.2			11/10/20 17:34	TMP	A



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ANALYTICAL RESULTS

Workorder: 3139238 4030 Miller

Lab ID: **3139238003**
Sample ID: **Can 2**

Date Collected: 11/5/2020 09:45 Matrix: Drinking Water
Date Received: 11/5/2020 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 18:01	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)	82.8		%	70 - 130	EPA 524.2			11/10/20 18:01	TMP	A
4-Bromofluorobenzene (S)	73.7		%	70 - 130	EPA 524.2			11/10/20 18:01	TMP	A



Jessica Lee Smith
Project Coordinator

ALS Environmental Laboratory Locations Across North America

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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: 3139238 4030 Miller

Lab ID: **3139238004**
Sample ID: **Trip Blank**

Date Collected: 11/5/2020 00:00 Matrix: Drinking Water
Date Received: 11/5/2020 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	TMP	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	TMP	A
Isopropylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	TMP	A
Methyl t-Butyl Ether	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	TMP	A
Naphthalene	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	TMP	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	TMP	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	TMP	A
1,2,4-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	TMP	A
1,3,5-Trimethylbenzene	ND		ug/L	0.50	EPA 524.2			11/10/20 13:33	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)	87.4		%	70 - 130	EPA 524.2			11/10/20 13:33	TMP	A
4-Bromofluorobenzene (S)	94.7		%	70 - 130	EPA 524.2			11/10/20 13:33	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

**ANALYSIS - PREP METHOD CROSS REFERENCE TABLE**

Workorder: 3139238 4030 Miller

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3139238001	Raw	EPA 524.2		
3139238002	Can 1	EPA 524.2		
3139238003	Can 2	EPA 524.2		
3139238004	Trip Blank	EPA 524.2		

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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

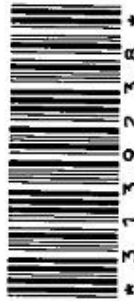


301 Fulling Mill Road
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

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

COC # 3139238
ALS Q



Client Name: <u>Dhw Van Waggon</u>		Container Type: <u>glass</u>		
Address: <u>PO Box 224</u>		Container Size: <u>1/2 gal</u>		
<u>St. Peters, PA 19470</u>		Parameters: <u>HCL / HCL</u>		
Contact: <u>John Van Waggon</u>		ANALYSES/METHOD REQUESTED		
Phone#: <u>610-489-1654</u>				
Project Name#: <u>4030 Miller</u>				
Bill To: <u>same</u>				
TAT ☒ Normal-Standard TAT is 10-12 business days.				
☐ Rush-Subject to ALS approval and surcharges.				
Date Required: ☐ Y ☐ N				
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	
1 <u>RAW</u>		<u>11/5/20</u>	<u>9:15</u>	<u>6 DW 2</u>
2 <u>can 1</u>		<u>11/5/20</u>	<u>1:30</u>	<u>1 2</u>
3 <u>can 2</u>		<u>11/5/20</u>	<u>9:45</u>	<u>1 2</u>
4 <u>trip blank</u>				<u>2</u>
5				
6				
7				
8				
9				
10				
SAMPLER COMMENTS: <u>John Van Waggon</u>				
Relinquished By / Company Name		Date	Time	Received By / Company Name
1 <u>John Van Waggon</u>		<u>11/5</u>	<u>15:02</u>	<u>John Van Waggon</u>
3 <u>John Van Waggon</u>		<u>11/5</u>	<u>17:04</u>	<u>John Van Waggon</u>
5 <u>John Van Waggon</u>		<u>11/5/20</u>	<u>17:15</u>	<u>COMMON COURIERALS COURIER</u>
7 <u>John Van Waggon</u>		<u>11/5/20</u>	<u>17:15</u>	<u>COMMON COURIERALS COURIER</u>
9 <u>John Van Waggon</u>				<u>COMMON COURIERALS COURIER</u>
State Samples Collected In		Special Processing		
NY ☐ NJ ☐ PA ☐ other ☐		USACE ☐ CLP-like ☐ USACE/DOD ☐		
Reportable to PADEP? Yes ☐ No ☐		Sample Disposal Lab ☐ Special ☐		
PWSID #		EDDS: Formal Type		



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

Condition of Sample Receipt Form

Client: Conventry Work Order #: 3139238 Initials: re Date: 11/6

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>	YES	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>	YES	NO
5. Are the COC and bottle labels complete, legible and in agreement?.....	<u>YES</u>	YES	NO
5a. Does the COC contain sample locations?.....	<u>YES</u>	YES	NO
5b. Does the COC contain date and time of sample collection for all samples?.....	<u>YES</u>	YES	NO
5c. Does the COC contain sample collectors name?.....	<u>YES</u>	YES	NO
5d. Does the COC note the type(s) of preservation for all bottles?.....	<u>YES</u>	YES	NO
5e. Does the COC note the number of bottles submitted for each sample?.....	<u>YES</u>	YES	NO
5f. Does the COC note the type of sample, composite or grab?.....	<u>YES</u>	YES	NO
5g. Does the COC note the matrix of the sample(s)?.....	<u>YES</u>	YES	NO
6. Are all aqueous samples requiring preservation preserved correctly? ¹	<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>	YES	NO
8. Are all samples within holding times for the requested analyses?.....	<u>YES</u>	YES	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.).....	<u>YES</u>	YES	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?.....	<u>N/A</u>	YES	NO
11. Were the samples received on ice?.....	<u>YES</u>	YES	NO
12. Were sample temperatures measured at 0.0-6.0°C.....	<u>YES</u>	YES	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below.....	<u>YES</u>	YES	NO
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°C

Thermometer ID: 525

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



SUBURBAN TESTING LABS

Amended Results Report

Order ID: 0085818

Coventry Environmental Associates
991 Ridge Road
Pottstown, PA 19465

Project: SDWA QTR Treatment system testing
Yocco's
Emmaus, PA

Attn: John Van Wageningen

Sample Number: 0085818-01

Site: 701 - Distribution

Sample ID: D - 701

Collector: JW/CEA

Collect Date: 09/01/2020 9:40 am

Sample Type: D

Sample Regulatory ID: 3390817

SDWA Reporting IDs: (701 / R / D)

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Microbiology

Total Coliform, Enumeration

Total Coliform	< 1	X	MPN/100mL	SM 9223-B	1	1	09/01/20	RPV	09/01/20 16:40	RPV
E. coli	< 1	X	MPN/100mL	SM 9223-B	1	1	09/01/20	RPV	09/01/20 16:40	RPV

Sample Number: 0085818-02

Site: Entry Point 101

Sample ID: E - 101

Collector: JW/CEA

Collect Date: 09/01/2020 9:25 am

Sample Type: E

Sample Regulatory ID: 3390817

SDWA Reporting IDs: (101/001 / R / E)

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Volatiles

VOA, 524.2, Regulated

Benzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Carbon Tetrachloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Chlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
1,4-Dichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
1,2-Dichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
1,2-Dichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
trans-1,2-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
cis-1,2-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
1,1-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
1,2-Dichloropropane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Ethyl Benzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Methylene Chloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Methyl-t-butyl ether (MTBE)	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Styrene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Tetrachloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Toluene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
1,2,4-Trichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
1,1,2-Trichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
1,1,1-Trichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Trichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Vinyl Chloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP
Xylenes, Total	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 16:44	ARP

Surrogate Recoveries	Results	Units	Method	%Recovery	DF	Limits (%Recovery)	Analysis Date
Surrogate: 1,2-Dichlorobenzene-d4	8.09	µg/L	EPA 524.2	81%	1	70-130	09/04/20 16:44

Report Generated On: 09/11/2020 4:24 pm

0085818

STL_Results Revision #1.9

Effective: 04/16/2020

SUBURBAN TESTING LABS

1037F MacArthur Road, Reading, PA 19605

Phone: 610-375-TEST

Fax: 610-375-4090

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PA DEP # 06-00208
NJDEP# FA081

Page 1 of 7



SUBURBAN TESTING LABS

Sample Number: 0085818-02	Site: Entry Point 101	Sample ID: E - 101
Collector: JW/CEA	Collect Date: 09/01/2020 9:25 am	Sample Type: E
Sample Regulatory ID: 3390817	SDWA Reporting IDs: (101//001 / R / E)	

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Volatiles (Continued)

VOA, 524.2, Regulated (Continued)

Surrogate Recoveries (Continued)	Results	Units	Method	%Recovery	DF	Limits (%Recovery)	Analysis Date
Surrogate: Bromofluorobenzene	8.11	µg/L	EPA 524.2	81%	1	70-130	09/04/20 16:44

Sample Number: 0085818-03	Site: P 301 - Carbon Can #1	Sample ID: P301
Collector: JW/CEA	Collect Date: 09/01/2020 9:10 am	Sample Type: P
Sample Regulatory ID: 3390817	SDWA Reporting IDs: (301//001 / R / P)	

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Volatiles

VOA, 524.2, Regulated

Benzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Carbon Tetrachloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Chlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
1,4-Dichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
1,2-Dichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
1,2-Dichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
trans-1,2-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
cis-1,2-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
1,1-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
1,2-Dichloropropane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Ethyl Benzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Methylene Chloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Methyl-t-butyl ether (MTBE)	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Styrene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Tetrachloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Toluene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
1,2,4-Trichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
1,1,2-Trichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
1,1,1-Trichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Trichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Vinyl Chloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP
Xylenes, Total	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:14	ARP

Surrogate Recoveries	Results	Units	Method	%Recovery	DF	Limits (%Recovery)	Analysis Date
Surrogate: 1,2-Dichlorobenzene-d4	8.22	µg/L	EPA 524.2	82%	1	70-130	09/04/20 17:14
Surrogate: Bromofluorobenzene	8.18	µg/L	EPA 524.2	82%	1	70-130	09/04/20 17:14

Report Generated On: 09/11/2020 4:24 pm 0085818
STL_Results Revision #1.9 Effective: 04/16/2020

SUBURBAN TESTING LABS

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PA DEP # 06-00208
NJDEP# PA081



SUBURBAN TESTING LABS

Sample Number: 0085818-04	Site: P 302 - Carbon Can #2	Sample ID: P302
Collector: JW/CEA	Collect Date: 09/01/2020 9:05 am	Sample Type: P
Sample Regulatory ID: 3390817	SDWA Reporting IDs: (302//001 / R / P)	

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Volatiles

VOA, 524.2, Regulated

Benzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Carbon Tetrachloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Chlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
1,4-Dichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
1,2-Dichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
1,2-Dichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
trans-1,2-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
cis-1,2-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
1,1-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
1,2-Dichloropropane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Ethyl Benzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Methylene Chloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Methyl-t-butyl ether (MTBE)	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Styrene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Tetrachloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Toluene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
1,2,4-Trichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
1,1,2-Trichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
1,1,1-Trichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Trichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Vinyl Chloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP
Xylenes, Total	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 17:43	ARP

Surrogate Recoveries	Results	Units	Method	%Recovery	DF	Limits (%Recovery)	Analysis Date
Surrogate: 1,2-Dichlorobenzene-d4	8.30	µg/L	EPA 524.2	83%	1	70-130	09/04/20 17:43
Surrogate: Bromofluorobenzene	8.20	µg/L	EPA 524.2	82%	1	70-130	09/04/20 17:43

Report Generated On: 09/11/2020 4:24 pm 0085818
STL_Results Revision #1.9 Effective: 04/16/2020

SUBURBAN TESTING LABS

1037F MacArthur Road, Reading, PA 19605 Phone: 610-375-TEST Fax: 610-375-4090 suburbantestinglabs.com



PA DEP # 06-00208
NJDEP# PA081



SUBURBAN TESTING LABS

Sample Number: 0085818-05	Site: Raw - 001	Sample ID: RAW - 001
Collector: JW/CEA	Collect Date: 09/01/2020 9:00 am	Sample Type: R
Sample Regulatory ID: 3390817	SDWA Reporting IDs: (001//001 / R / R)	

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Volatiles

VOA, 524.2, Regulated

Benzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Carbon Tetrachloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Chlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
1,4-Dichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
1,2-Dichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
1,2-Dichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
trans-1,2-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
cis-1,2-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
1,1-Dichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
1,2-Dichloropropane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Ethyl Benzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Methylene Chloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Methyl-t-butyl ether (MTBE)	3.7	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Styrene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Tetrachloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Toluene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
1,2,4-Trichlorobenzene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
1,1,2-Trichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
1,1,1-Trichloroethane	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Trichloroethene	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Vinyl Chloride	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP
Xylenes, Total	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:13	ARP

Surrogate Recoveries	Results	Units	Method	%Recovery	DF	Limits (%Recovery)	Analysis Date
Surrogate: 1,2-Dichlorobenzene-d4	7.82	µg/L	EPA 524.2	78%	1	70-130	09/04/20 18:13
Surrogate: Bromofluorobenzene	7.92	µg/L	EPA 524.2	79%	1	70-130	09/04/20 18:13

Sample Number: 0085818-06	Site: Trip Blank	Sample ID:
Collector: STL	Collect Date: 09/01/2020 12:00 am	Sample Type: Grab
Sample Regulatory ID: 3390817	SDWA Reporting IDs: (/ /)	

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Volatiles

VOA, 524.2, Trip Blank

Methyl-t-butyl ether (MTBE)	< 0.5	µg/L	EPA 524.2	0.5	1	09/04/20	LAS	09/04/20 18:42	ARP
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Surrogate Recoveries	Results	Units	Method	%Recovery	DF	Limits (%Recovery)	Analysis Date
Surrogate: 1,2-Dichlorobenzene-d4	8.00	µg/L	EPA 524.2	80%	1	70-130	09/04/20 18:42
Surrogate: Bromofluorobenzene	8.09	µg/L	EPA 524.2	81%	1	70-130	09/04/20 18:42

Report Generated On: 09/11/2020 4:24 pm 0085818
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SUBURBAN TESTING LABS

Data Qualifiers:

X Sample exceeded incubation time by 3 hours and 43 minutes. Per manufacturer, over-incubation may cause a high-bias, however results was non detect.

Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

**** This report has been Amended (Rev1) and replaces all previous reports for this order ID ****

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

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

Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Lisa F. Care
Project Manager I

Report Generated On: 09/11/2020 4:24 pm 0085818
STL_Results Revision #1.9 Effective: 04/16/2020





SUBURBAN
TESTING LABS

Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605
Phone: 610-375-8378 - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Circle One): Standard - 24hr - 48hr - 72hr - Other _____
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply.)

ORDER ID: 0085818



Client Name / Address: Coventry Environmental Associates P.O. Box 224 994 Ridge Road St. Peters, PA 19470 Pottstown, PA 19465		Project Name / Address: SDWA QTR Treatment system testing Yocco's Emmaus, PA	
Client Project Manager: John Van Wagenen		Regulatory ID (SDWA/Permit #): 3390817	
Phone: (610) 489-6540			
e-mail: Fax: J.VANWAGEN@COVA.COM			
Payment / P.O. Info:			

Project Description:

Order Comments: Added via by LFC 08/27/2020 14:12

Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0085818-01	701 - Distribution (701/R/D)	D-201	9/1/20 9:40	JV/CEA	SDWA	D	
Container Type / Preservation							
Field Services							
120ml Sterile PS & Na2S2O3							
Analysis - Method							
Microbiology							
Total Coliform, Enumeration - SM 9223-B plus MTBE							
Unassigned							
Sample Pickup, Standard - SL0015							
Field Results							
0085818-02	Entry Point 101 (101/001/R/E)	E-101	9/1/20 9:25	JV/CEA	SDWA	E	
Container Type / Preservation							
40ml VOA & AA & HCl at sampling							
40ml VOA & AA & HCl at sampling							
Analysis - Method							
Volatiles							
VOA, 524.2, Regulated - EPA 524.2 plus MTBE							
Field Results							
0085818-03	P 301 - Carbon Can #1 (301/001/R/P)	P 301	9/1/20 9:10	JV/CEA	SDWA	P	
Container Type / Preservation							
40ml VOA & AA & HCl at sampling							
40ml VOA & AA & HCl at sampling							
Analysis - Method							
Volatiles							
VOA, 524.2, Regulated - EPA 524.2 plus MTBE							
Field Results							
0085818-04	P 302 - Carbon Can #2 (302/001/R/P)	P 302	9/1/20 9:05	JV/CEA	SDWA	P	
Container Type / Preservation							
40ml VOA & AA & HCl at sampling							
40ml VOA & AA & HCl at sampling							
Analysis - Method							
Volatiles							
VOA, 524.2, Regulated - EPA 524.2 plus MTBE							
Field Results							

ORDER ID: 0085818



Sample Number	Sample Description - Site ID	Sampling Location	Collect Date/Time	Sampler's Initials	Matrix	Sample Type	Composite Start Date / Time
0085818-05	Raw - 001 (001/001/R)	RAW - 001	9/1/20 9:00	JW/CPA	SDWA	R	
Container Type / Preservation 40ml VOA & AA & HCl at sampling A 40ml VOA & AA & HCl at sampling B							
Analysis - Method Volatiles VOA, 524.2, Regulated - EPA 524.2 plus Methyl Tertiary Butyl Ether (MTBE)							
Field Results							
Preservation Check 0085818-06 Trip Blank (??/?/?) SDWA Grab							
Analysis - Method Volatiles VOA, 524.2, Trip Blank - EPA 524.2							
Field Results							

WKO TAT = 10 Cool Sample(s) to 6 C

Relinquished By	Count	Date:	Temp (°C):	Sample Conditions	Sample Type Key	Bottle Type Key
Received By: <i>[Signature]</i>	11	Date: 9-1-20 Time: 14:50	Temp (°C): 15.9	Number of Containers/Cooler received matches number on COC? <i>(Y/N)</i> Sample labels and COC free of discrepancies? <i>(Y/N)</i> All Containers Intact? <i>(Y/N)</i> VOC vials for VOA analysis free of headspace, if applicable? <i>(Y/N)</i>	G = Grab C = Composite 8HC = 8 Hr. Composite 24HC = 24 Hr. Composite	P = Plastic G = Glass GA = Glass Amber VOA = 40mL G or GA O = Other
Relinquished By: <i>[Signature]</i>	11	Date: 9-1-20 Time: 15:59	Temp (°C): 3.4 Acceptable: 3.4		S D W A	PP = Sterile Polypropylene PS = Sterile Polystyrene HDPE = High Density Polyethylene O = Other
Received in Lab By: <i>[Signature]</i>	11	Date: 9-1-20 Time: 15:59	Temp (°C): 3.4 Acceptable: 3.4			Preservative Key A = Ascorbic Acid OH = NaOH S = H2SO4 C = HCl H = HNO3 N = Sodium Thiosulfate

Shaded areas are for STL use only

Work Order ID: 0085818

Date Printed: 08/27/2020

Date Created: 08/27/2020 12:00

 Signing this form indicates your agreement with STL's Standard Terms and Conditions (www.suburbanlabtesting.com/resources/standard-terms-and-conditions.html) unless otherwise specified in writing.
 Lab Manager: Lisa F. Care
 wko_STL_Prelab_Is.rpt

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