



Alliance Technical Group - Akron  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211  
Website: <http://www.settek.com>

May 18, 2026

Kevin Summerville  
Columbiana County Health District  
7360 SR 45  
P.O. Box 309  
Lisbon, OH 44432  
TEL:  
FAX:

RE: East Palestine

Dear Kevin Summerville:

Order No.: 26050698

Alliance Technical Group - Akron received 9 sample(s) on 5/8/2026 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

A handwritten signature in black ink that reads "Holly Florea". The signature is written in a cursive style with a large, looped "H" and "F".

Holly Florea  
Project Manager  
3310 Win St.  
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C



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 Website: <http://www.settek.com>

## Workorder Sample Summary

WO#: 26050698  
 18-May-26

**CLIENT:** Columbiana County Health District  
**Project:** East Palestine

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
26050698-001	PW-453		5/8/2026 12:10:00 PM	5/11/2026 12:26:00 PM	Drinking Water
26050698-001	PW-453		5/8/2026 12:10:00 PM	5/11/2026 12:26:00 PM	Drinking Water
26050698-001	PW-453		5/8/2026 12:10:00 PM	5/11/2026 12:26:00 PM	Drinking Water
26050698-001	PW-453		5/8/2026 12:10:00 PM	5/11/2026 12:26:00 PM	Drinking Water
26050698-002	PW-458		5/8/2026 12:50:00 PM	5/11/2026 12:26:00 PM	Drinking Water
26050698-002	PW-458		5/8/2026 12:50:00 PM	5/11/2026 12:26:00 PM	Drinking Water
26050698-002	PW-458		5/8/2026 12:50:00 PM	5/11/2026 12:26:00 PM	Drinking Water
26050698-002	PW-458		5/8/2026 12:50:00 PM	5/11/2026 12:26:00 PM	Drinking Water
26050698-003	DUP		5/8/2026	5/11/2026 12:26:00 PM	Drinking Water
26050698-003	DUP		5/8/2026	5/11/2026 12:26:00 PM	Drinking Water
26050698-003	DUP		5/8/2026	5/11/2026 12:26:00 PM	Drinking Water
26050698-003	DUP		5/8/2026	5/11/2026 12:26:00 PM	Drinking Water
26050698-004	PW-845		5/8/2026 11:00:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-004	PW-845		5/8/2026 11:00:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-004	PW-845		5/8/2026 11:00:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-004	PW-845		5/8/2026 11:00:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-005	PW-349		5/8/2026 9:55:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-005	PW-349		5/8/2026 9:55:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-005	PW-349		5/8/2026 9:55:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-005	PW-349		5/8/2026 9:55:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-006	FB-349		5/8/2026 9:30:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-006	FB-349		5/8/2026 9:30:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-006	FB-349		5/8/2026 9:30:00 AM	5/11/2026 12:26:00 PM	Drinking Water



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## Workorder Sample Summary

WO#: 26050698  
18-May-26

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**CLIENT:** Columbiana County Health District  
**Project:** East Palestine

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Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
26050698-006	FB-349		5/8/2026 9:30:00 AM	5/11/2026 12:26:00 PM	Drinking Water
26050698-007	Trip Blank 1			5/8/2026 12:10:00 PM	Drinking Water
26050698-007	Trip Blank 1			5/8/2026 12:10:00 PM	Drinking Water
26050698-008	Trip Blank 2			5/8/2026 12:10:00 PM	Drinking Water
26050698-008	Trip Blank 2			5/8/2026 12:10:00 PM	Drinking Water
26050698-009	Trip Blank 3			5/8/2026 12:10:00 PM	Drinking Water
26050698-009	Trip Blank 3			5/8/2026 12:10:00 PM	Drinking Water



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Website: <http://www.settek.com>*

## Case Narrative

WO#: 26050698  
Date: 5/18/2026

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**CLIENT:** Columbiana County Health District  
**Project:** East Palestine

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This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

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Original



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# Analytical Report

(consolidated)

WO#: 26050698

Date Reported: 5/18/2026

Lab ID: 26050698-001

Collection Date: 5/8/2026 12:10:00 PM

Client Sample ID PW-453

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)</b>					<b>EPA 525.3</b>		<b>EPA 525.3</b> Analyst: <b>JDB</b>	
1-Methylnaphthalene	ND	0.00356	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
2-Methylnaphthalene	ND	0.00523	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Acenaphthene	ND	0.00463	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Acenaphthylene	ND	0.00318	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Anthracene	ND	0.00933	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Benz(a)anthracene	ND	0.00386	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Benzo(a)pyrene	ND	0.00386	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Benzo(b)fluoranthene	ND	0.00452	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Benzo(g,h,i)perylene	ND	0.00408	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Benzo(k)fluoranthene	ND	0.00510	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Chrysene	ND	0.00432	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Dibenz(a,h)anthracene	ND	0.00359	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Fluoranthene	ND	0.0302	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Fluorene	ND	0.00378	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.00429	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Naphthalene	ND	0.0449	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Phenanthrene	ND	0.00383	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Pyrene	ND	0.00630	0.0980		µg/L	1	96363	5/15/2026 11:30:00 AM
Surr: 1,3-Dimethyl-2-nitrobenzene	57.2		70-130	S	%Rec	1	96363	5/15/2026 11:30:00 AM
Surr: Benzo(a)pyrene-d12	110		70-130		%Rec	1	96363	5/15/2026 11:30:00 AM
Surr: Triphenyl phosphate	112		70-130		%Rec	1	96363	5/15/2026 11:30:00 AM
<b>SVOC BY 8270E</b>					<b>EPA 8270E</b>		<b>EPA 3510</b> Analyst: <b>SAM</b>	
2-Butoxyethanol	ND	0.176	29.1		µg/L	1	96408	5/15/2026 12:45:00 AM
Surr: Nitrobenzene-d5	81.8		10-130		%Rec	1	96408	5/15/2026 12:45:00 AM
Surr: 2-Fluorobiphenyl	78.4		10-130		%Rec	1	96408	5/15/2026 12:45:00 AM
Surr: p-Terphenyl-d14	111		20-181		%Rec	1	96408	5/15/2026 12:45:00 AM
<b>VOC-GC/MS (524.2)</b>					<b>EPA 524.2</b>		Analyst: <b>EC</b>	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236529	5/16/2026 1:51:00 AM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236529	5/16/2026 1:51:00 AM
Benzene	ND	0.0967	0.500		µg/L	1	R236529	5/16/2026 1:51:00 AM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236529	5/16/2026 1:51:00 AM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236529	5/16/2026 1:51:00 AM
Naphthalene	ND	0.206	0.500		µg/L	1	R236529	5/16/2026 1:51:00 AM
o-Xylene	ND	0.211	0.500		µg/L	1	R236529	5/16/2026 1:51:00 AM
Toluene	ND	0.160	0.500		µg/L	1	R236529	5/16/2026 1:51:00 AM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236529	5/16/2026 1:51:00 AM
Surr: 1,2-Dichlorobenzene-d4	91.3		70-130		%Rec	1	R236529	5/16/2026 1:51:00 AM
Surr: 4-Bromofluorobenzene	90.7		70-130		%Rec	1	R236529	5/16/2026 1:51:00 AM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-001

**Collection Date:** 5/8/2026 12:10:00 PM

**Client Sample ID** PW-453

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC BY GC/MS (8260D)</b>					<b>EPA 8260D</b>		<b>EPA 5030 B</b>	<b>Analyst: RD</b>
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236287	5/12/2026 5:31:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236287	5/12/2026 5:31:00 PM
Surr: 4-Bromofluorobenzene	89.9		70-130		%Rec	1	R236287	5/12/2026 5:31:00 PM
Surr: Dibromofluoromethane	109		70-130		%Rec	1	R236287	5/12/2026 5:31:00 PM
Surr: Toluene-d8	108		70-130		%Rec	1	R236287	5/12/2026 5:31:00 PM

**Qualifiers:**

- |    |  |    |   |
|----|--|----|---|
| E  | Value above quantitation range                     | H  | Holding times for preparation or analysis exceeded                    |
| M  | Manual Integration used to determine area response | ND | Not Detected  |
| PL | Permit Limit                                       | R  | RPD outside accepted recovery limits                                  |
| RL | Reporting Detection Limit                          | W  | Sample container temperature is out of limit as specified at testcode |
| J  | Analyte detected below quantitation limits         |    |   |



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# Analytical Report

(consolidated)

WO#: 26050698

Date Reported: 5/18/2026

Lab ID: 26050698-002

Collection Date: 5/8/2026 12:50:00 PM

Client Sample ID PW-458

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)</b>					<b>EPA 525.3</b>		<b>EPA 525.3</b> Analyst: <b>JDB</b>	
1-Methylnaphthalene	ND	0.00353	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
2-Methylnaphthalene	ND	0.00518	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Acenaphthene	ND	0.00459	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Acenaphthylene	ND	0.00315	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Anthracene	ND	0.00924	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Benz(a)anthracene	ND	0.00382	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Benzo(a)pyrene	ND	0.00382	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Benzo(b)fluoranthene	ND	0.00447	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Benzo(g,h,i)perylene	ND	0.00404	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Benzo(k)fluoranthene	ND	0.00505	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Chrysene	ND	0.00427	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Dibenz(a,h)anthracene	ND	0.00355	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Fluoranthene	ND	0.0300	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Fluorene	ND	0.00374	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00424	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Naphthalene	ND	0.0445	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Phenanthrene	ND	0.00379	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Pyrene	ND	0.00624	0.0971		µg/L	1	96363	5/15/2026 12:03:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	64.6		70-130	S	%Rec	1	96363	5/15/2026 12:03:00 PM
Surr: Benzo(a)pyrene-d12	121		70-130		%Rec	1	96363	5/15/2026 12:03:00 PM
Surr: Triphenyl phosphate	123		70-130		%Rec	1	96363	5/15/2026 12:03:00 PM
<b>SVOC BY 8270E</b>					<b>EPA 8270E</b>		<b>EPA 3510</b> Analyst: <b>SAM</b>	
2-Butoxyethanol	ND	0.176	29.1		µg/L	1	96408	5/15/2026 1:17:00 AM
Surr: Nitrobenzene-d5	86.2		10-130		%Rec	1	96408	5/15/2026 1:17:00 AM
Surr: 2-Fluorobiphenyl	85.7		10-130		%Rec	1	96408	5/15/2026 1:17:00 AM
Surr: p-Terphenyl-d14	107		20-181		%Rec	1	96408	5/15/2026 1:17:00 AM
<b>VOC-GC/MS (524.2)</b>					<b>EPA 524.2</b>		Analyst: <b>EC</b>	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236540	5/17/2026 7:05:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236540	5/17/2026 7:05:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R236540	5/17/2026 7:05:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236540	5/17/2026 7:05:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236540	5/17/2026 7:05:00 PM
Naphthalene	ND	0.206	0.500	QL+	µg/L	1	R236540	5/17/2026 7:05:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R236540	5/17/2026 7:05:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R236540	5/17/2026 7:05:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236540	5/17/2026 7:05:00 PM
Surr: 1,2-Dichlorobenzene-d4	88.8		70-130		%Rec	1	R236540	5/17/2026 7:05:00 PM
Surr: 4-Bromofluorobenzene	86.1		70-130		%Rec	1	R236540	5/17/2026 7:05:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-002

**Collection Date:** 5/8/2026 12:50:00 PM

**Client Sample ID** PW-458

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC BY GC/MS (8260D)</b>					<b>EPA 8260D</b>		<b>EPA 5030 B</b>	<b>Analyst: RD</b>
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236287	5/12/2026 5:57:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236287	5/12/2026 5:57:00 PM
Surr: 4-Bromofluorobenzene	92.2		70-130		%Rec	1	R236287	5/12/2026 5:57:00 PM
Surr: Dibromofluoromethane	114		70-130		%Rec	1	R236287	5/12/2026 5:57:00 PM
Surr: Toluene-d8	110		70-130		%Rec	1	R236287	5/12/2026 5:57:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: 26050698

Date Reported: 5/18/2026

Lab ID: 26050698-003

Collection Date: 5/8/2026

Client Sample ID DUP

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)</b>					<b>EPA 525.3</b>		<b>EPA 525.3</b> Analyst: <b>JDB</b>	
1-Methylnaphthalene	ND	0.00353	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
2-Methylnaphthalene	ND	0.00518	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Acenaphthene	ND	0.00459	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Acenaphthylene	ND	0.00315	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Anthracene	ND	0.00924	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Benz(a)anthracene	ND	0.00382	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Benzo(a)pyrene	ND	0.00382	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Benzo(b)fluoranthene	ND	0.00447	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Benzo(g,h,i)perylene	ND	0.00404	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Benzo(k)fluoranthene	ND	0.00505	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Chrysene	ND	0.00427	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Dibenz(a,h)anthracene	ND	0.00355	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Fluoranthene	ND	0.0300	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Fluorene	ND	0.00374	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00424	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Naphthalene	ND	0.0445	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Phenanthrene	ND	0.00379	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Pyrene	ND	0.00624	0.0971		µg/L	1	96363	5/15/2026 12:37:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	72.0		70-130		%Rec	1	96363	5/15/2026 12:37:00 PM
Surr: Benzo(a)pyrene-d12	109		70-130		%Rec	1	96363	5/15/2026 12:37:00 PM
Surr: Triphenyl phosphate	114		70-130		%Rec	1	96363	5/15/2026 12:37:00 PM
<b>SVOC BY 8270E</b>					<b>EPA 8270E</b>		<b>EPA 3510</b> Analyst: <b>SAM</b>	
2-Butoxyethanol	ND	0.176	29.1		µg/L	1	96408	5/15/2026 1:49:00 AM
Surr: Nitrobenzene-d5	78.5		10-130		%Rec	1	96408	5/15/2026 1:49:00 AM
Surr: 2-Fluorobiphenyl	77.1		10-130		%Rec	1	96408	5/15/2026 1:49:00 AM
Surr: p-Terphenyl-d14	103		20-181		%Rec	1	96408	5/15/2026 1:49:00 AM
<b>VOC-GC/MS (524.2)</b>					<b>EPA 524.2</b>		Analyst: <b>EC</b>	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236540	5/17/2026 7:33:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236540	5/17/2026 7:33:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R236540	5/17/2026 7:33:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236540	5/17/2026 7:33:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236540	5/17/2026 7:33:00 PM
Naphthalene	ND	0.206	0.500	QL+	µg/L	1	R236540	5/17/2026 7:33:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R236540	5/17/2026 7:33:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R236540	5/17/2026 7:33:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236540	5/17/2026 7:33:00 PM
Surr: 1,2-Dichlorobenzene-d4	91.4		70-130		%Rec	1	R236540	5/17/2026 7:33:00 PM
Surr: 4-Bromofluorobenzene	87.7		70-130		%Rec	1	R236540	5/17/2026 7:33:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



Alliance Technical Group - Akron  
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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-003

**Collection Date:** 5/8/2026

**Client Sample ID** DUP

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC BY GC/MS (8260D)</b>					<b>EPA 8260D</b>		<b>EPA 5030 B</b>	<b>Analyst: RD</b>
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236287	5/12/2026 6:22:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236287	5/12/2026 6:22:00 PM
Surr: 4-Bromofluorobenzene	87.8		70-130		%Rec	1	R236287	5/12/2026 6:22:00 PM
Surr: Dibromofluoromethane	106		70-130		%Rec	1	R236287	5/12/2026 6:22:00 PM
Surr: Toluene-d8	104		70-130		%Rec	1	R236287	5/12/2026 6:22:00 PM

**Qualifiers:**

- |    |  |    |   |
|----|--|----|---|
| E  | Value above quantitation range                     | H  | Holding times for preparation or analysis exceeded                    |
| M  | Manual Integration used to determine area response | ND | Not Detected  |
| PL | Permit Limit                                       | R  | RPD outside accepted recovery limits                                  |
| RL | Reporting Detection Limit                          | W  | Sample container temperature is out of limit as specified at testcode |
| J  | Analyte detected below quantitation limits         |    |   |



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# Analytical Report

(consolidated)

WO#: 26050698

Date Reported: 5/18/2026

Lab ID: 26050698-004

Collection Date: 5/8/2026 11:00:00 AM

Client Sample ID PW-845

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)</b>					<b>EPA 525.3</b>		<b>EPA 525.3</b> Analyst: <b>JDB</b>	
1-Methylnaphthalene	ND	0.00353	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
2-Methylnaphthalene	ND	0.00518	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Acenaphthene	ND	0.00459	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Acenaphthylene	ND	0.00315	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Anthracene	ND	0.00924	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Benz(a)anthracene	ND	0.00382	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Benzo(a)pyrene	ND	0.00382	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Benzo(b)fluoranthene	ND	0.00447	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Benzo(g,h,i)perylene	ND	0.00404	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Benzo(k)fluoranthene	ND	0.00505	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Chrysene	ND	0.00427	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Dibenz(a,h)anthracene	ND	0.00355	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Fluoranthene	ND	0.0300	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Fluorene	ND	0.00374	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.00424	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Naphthalene	ND	0.0445	0.0971	QL-	µg/L	1	96363	5/15/2026 2:37:00 AM
Phenanthrene	ND	0.00379	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Pyrene	ND	0.00624	0.0971		µg/L	1	96363	5/15/2026 2:37:00 AM
Surr: 1,3-Dimethyl-2-nitrobenzene	78.4		70-130		%Rec	1	96363	5/15/2026 2:37:00 AM
Surr: Benzo(a)pyrene-d12	116		70-130		%Rec	1	96363	5/15/2026 2:37:00 AM
Surr: Triphenyl phosphate	118		70-130		%Rec	1	96363	5/15/2026 2:37:00 AM
<b>SVOC BY 8270E</b>					<b>EPA 8270E</b>		<b>EPA 3510</b> Analyst: <b>SAM</b>	
2-Butoxyethanol	ND	0.176	29.1		µg/L	1	96408	5/15/2026 2:21:00 AM
Surr: Nitrobenzene-d5	80.4		10-130		%Rec	1	96408	5/15/2026 2:21:00 AM
Surr: 2-Fluorobiphenyl	77.7		10-130		%Rec	1	96408	5/15/2026 2:21:00 AM
Surr: p-Terphenyl-d14	102		20-181		%Rec	1	96408	5/15/2026 2:21:00 AM
<b>VOC-GC/MS (524.2)</b>					<b>EPA 524.2</b>		Analyst: <b>EC</b>	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236540	5/17/2026 8:01:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236540	5/17/2026 8:01:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R236540	5/17/2026 8:01:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236540	5/17/2026 8:01:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236540	5/17/2026 8:01:00 PM
Naphthalene	ND	0.206	0.500	QL+	µg/L	1	R236540	5/17/2026 8:01:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R236540	5/17/2026 8:01:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R236540	5/17/2026 8:01:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236540	5/17/2026 8:01:00 PM
Surr: 1,2-Dichlorobenzene-d4	94.0		70-130		%Rec	1	R236540	5/17/2026 8:01:00 PM
Surr: 4-Bromofluorobenzene	91.7		70-130		%Rec	1	R236540	5/17/2026 8:01:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-004

**Collection Date:** 5/8/2026 11:00:00 AM

**Client Sample ID** PW-845

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC BY GC/MS (8260D)</b>					<b>EPA 8260D</b>		<b>EPA 5030 B</b>	<b>Analyst: RD</b>
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236287	5/12/2026 6:48:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236287	5/12/2026 6:48:00 PM
Surr: 4-Bromofluorobenzene	88.3		70-130		%Rec	1	R236287	5/12/2026 6:48:00 PM
Surr: Dibromofluoromethane	99.1		70-130		%Rec	1	R236287	5/12/2026 6:48:00 PM
Surr: Toluene-d8	99.3		70-130		%Rec	1	R236287	5/12/2026 6:48:00 PM

**Qualifiers:**

- |    |  |    |   |
|----|--|----|---|
| E  | Value above quantitation range                     | H  | Holding times for preparation or analysis exceeded                    |
| M  | Manual Integration used to determine area response | ND | Not Detected  |
| PL | Permit Limit                                       | R  | RPD outside accepted recovery limits                                  |
| RL | Reporting Detection Limit                          | W  | Sample container temperature is out of limit as specified at testcode |
| J  | Analyte detected below quantitation limits         |    |   |



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# Analytical Report

(consolidated)

WO#: 26050698

Date Reported: 5/18/2026

Lab ID: 26050698-005

Collection Date: 5/8/2026 9:55:00 AM

Client Sample ID PW-349

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)</b>					<b>EPA 525.3</b>		<b>EPA 525.3</b> Analyst: <b>JDB</b>	
1-Methylnaphthalene	ND	0.00356	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
2-Methylnaphthalene	ND	0.00523	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Acenaphthene	ND	0.00463	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Acenaphthylene	ND	0.00318	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Anthracene	ND	0.00933	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Benz(a)anthracene	ND	0.00386	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Benzo(a)pyrene	ND	0.00386	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Benzo(b)fluoranthene	ND	0.00452	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Benzo(g,h,i)perylene	ND	0.00408	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Benzo(k)fluoranthene	ND	0.00510	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Chrysene	ND	0.00432	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Dibenz(a,h)anthracene	ND	0.00359	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Fluoranthene	ND	0.0302	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Fluorene	ND	0.00378	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00429	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Naphthalene	ND	0.0449	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Phenanthrene	ND	0.00383	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Pyrene	ND	0.00630	0.0980		µg/L	1	96363	5/15/2026 1:10:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	69.2		70-130	S	%Rec	1	96363	5/15/2026 1:10:00 PM
Surr: Benzo(a)pyrene-d12	112		70-130		%Rec	1	96363	5/15/2026 1:10:00 PM
Surr: Triphenyl phosphate	112		70-130		%Rec	1	96363	5/15/2026 1:10:00 PM
<b>SVOC BY 8270E</b>					<b>EPA 8270E</b>		<b>EPA 3510</b> Analyst: <b>SAM</b>	
2-Butoxyethanol	ND	0.176	29.1		µg/L	1	96408	5/15/2026 2:52:00 AM
Surr: Nitrobenzene-d5	82.3		10-130		%Rec	1	96408	5/15/2026 2:52:00 AM
Surr: 2-Fluorobiphenyl	80.7		10-130		%Rec	1	96408	5/15/2026 2:52:00 AM
Surr: p-Terphenyl-d14	109		20-181		%Rec	1	96408	5/15/2026 2:52:00 AM
<b>VOC-GC/MS (524.2)</b>					<b>EPA 524.2</b>		Analyst: <b>EC</b>	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236540	5/17/2026 8:29:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236540	5/17/2026 8:29:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R236540	5/17/2026 8:29:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236540	5/17/2026 8:29:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236540	5/17/2026 8:29:00 PM
Naphthalene	ND	0.206	0.500	QL+	µg/L	1	R236540	5/17/2026 8:29:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R236540	5/17/2026 8:29:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R236540	5/17/2026 8:29:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236540	5/17/2026 8:29:00 PM
Surr: 1,2-Dichlorobenzene-d4	95.4		70-130		%Rec	1	R236540	5/17/2026 8:29:00 PM
Surr: 4-Bromofluorobenzene	89.0		70-130		%Rec	1	R236540	5/17/2026 8:29:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-005

**Collection Date:** 5/8/2026 9:55:00 AM

**Client Sample ID** PW-349

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC BY GC/MS (8260D)</b>					<b>EPA 8260D</b>		<b>EPA 5030 B</b>	<b>Analyst: RD</b>
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236287	5/12/2026 7:14:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236287	5/12/2026 7:14:00 PM
Surr: 4-Bromofluorobenzene	89.7		70-130		%Rec	1	R236287	5/12/2026 7:14:00 PM
Surr: Dibromofluoromethane	111		70-130		%Rec	1	R236287	5/12/2026 7:14:00 PM
Surr: Toluene-d8	108		70-130		%Rec	1	R236287	5/12/2026 7:14:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: 26050698

Date Reported: 5/18/2026

Lab ID: 26050698-006

Collection Date: 5/8/2026 9:30:00 AM

Client Sample ID FB-349

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)</b>					<b>EPA 525.3</b>		<b>EPA 525.3</b> Analyst: <b>JDB</b>	
1-Methylnaphthalene	ND	0.00360	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
2-Methylnaphthalene	ND	0.00528	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Acenaphthene	ND	0.00468	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Acenaphthylene	ND	0.00321	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Anthracene	ND	0.00943	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Benz(a)anthracene	ND	0.00390	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Benzo(a)pyrene	ND	0.00389	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Benzo(b)fluoranthene	ND	0.00456	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Benzo(g,h,i)perylene	ND	0.00412	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Benzo(k)fluoranthene	ND	0.00515	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Chrysene	ND	0.00436	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Dibenz(a,h)anthracene	ND	0.00362	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Fluoranthene	ND	0.0305	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Fluorene	ND	0.00381	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.00433	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Naphthalene	ND	0.0454	0.0990	QL-	µg/L	1	96363	5/15/2026 3:44:00 AM
Phenanthrene	ND	0.00387	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Pyrene	ND	0.00636	0.0990		µg/L	1	96363	5/15/2026 3:44:00 AM
Surr: 1,3-Dimethyl-2-nitrobenzene	100		70-130		%Rec	1	96363	5/15/2026 3:44:00 AM
Surr: Benzo(a)pyrene-d12	116		70-130		%Rec	1	96363	5/15/2026 3:44:00 AM
Surr: Triphenyl phosphate	121		70-130		%Rec	1	96363	5/15/2026 3:44:00 AM
<b>SVOC BY 8270E</b>					<b>EPA 8270E</b>		<b>EPA 3510</b> Analyst: <b>SAM</b>	
2-Butoxyethanol	ND	0.181	30.0		µg/L	1	96408	5/15/2026 3:24:00 AM
Surr: Nitrobenzene-d5	69.7		10-130		%Rec	1	96408	5/15/2026 3:24:00 AM
Surr: 2-Fluorobiphenyl	68.2		10-130		%Rec	1	96408	5/15/2026 3:24:00 AM
Surr: p-Terphenyl-d14	101		20-181		%Rec	1	96408	5/15/2026 3:24:00 AM
<b>VOC-GC/MS (524.2)</b>					<b>EPA 524.2</b>		Analyst: <b>EC</b>	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236540	5/17/2026 8:56:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236540	5/17/2026 8:56:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R236540	5/17/2026 8:56:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236540	5/17/2026 8:56:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236540	5/17/2026 8:56:00 PM
Naphthalene	ND	0.206	0.500	QL+	µg/L	1	R236540	5/17/2026 8:56:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R236540	5/17/2026 8:56:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R236540	5/17/2026 8:56:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236540	5/17/2026 8:56:00 PM
Surr: 1,2-Dichlorobenzene-d4	91.8		70-130		%Rec	1	R236540	5/17/2026 8:56:00 PM
Surr: 4-Bromofluorobenzene	86.7		70-130		%Rec	1	R236540	5/17/2026 8:56:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-006

**Collection Date:** 5/8/2026 9:30:00 AM

**Client Sample ID** FB-349

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC BY GC/MS (8260D)</b>					<b>EPA 8260D</b>		<b>EPA 5030 B</b>	<b>Analyst: RD</b>
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236287	5/12/2026 7:39:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236287	5/12/2026 7:39:00 PM
Surr: 4-Bromofluorobenzene	92.7		70-130		%Rec	1	R236287	5/12/2026 7:39:00 PM
Surr: Dibromofluoromethane	114		70-130		%Rec	1	R236287	5/12/2026 7:39:00 PM
Surr: Toluene-d8	110		70-130		%Rec	1	R236287	5/12/2026 7:39:00 PM

**Qualifiers:**

- |    |  |    |   |
|----|--|----|---|
| E  | Value above quantitation range                     | H  | Holding times for preparation or analysis exceeded                    |
| M  | Manual Integration used to determine area response | ND | Not Detected  |
| PL | Permit Limit                                       | R  | RPD outside accepted recovery limits                                  |
| RL | Reporting Detection Limit                          | W  | Sample container temperature is out of limit as specified at testcode |
| J  | Analyte detected below quantitation limits         |    |   |



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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-007

**Collection Date:**

**Client Sample ID** Trip Blank 1

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC-GC/MS (524.2)</b>				<b>EPA 524.2</b>			<b>Analyst: EC</b>	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236529	5/16/2026
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236529	5/16/2026
Benzene	ND	0.0967	0.500		µg/L	1	R236529	5/16/2026
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236529	5/16/2026
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236529	5/16/2026
Naphthalene	ND	0.206	0.500		µg/L	1	R236529	5/16/2026
o-Xylene	ND	0.211	0.500		µg/L	1	R236529	5/16/2026
Toluene	ND	0.160	0.500		µg/L	1	R236529	5/16/2026
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236529	5/16/2026
Surr: 1,2-Dichlorobenzene-d4	94.2		70-130		%Rec	1	R236529	5/16/2026
Surr: 4-Bromofluorobenzene	94.2		70-130		%Rec	1	R236529	5/16/2026
<b>VOC BY GC/MS (8260D)</b>				<b>EPA 8260D</b>		<b>EPA 5030 B Analyst: RD</b>		
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236287	5/12/2026 8:05:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236287	5/12/2026 8:05:00 PM
Surr: 4-Bromofluorobenzene	89.9		70-130		%Rec	1	R236287	5/12/2026 8:05:00 PM
Surr: Dibromofluoromethane	116		70-130		%Rec	1	R236287	5/12/2026 8:05:00 PM
Surr: Toluene-d8	112		70-130		%Rec	1	R236287	5/12/2026 8:05:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-008

**Collection Date:**

**Client Sample ID** Trip Blank 2

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC-GC/MS (524.2)</b>				<b>EPA 524.2</b>				<b>Analyst: EC</b>
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236529	5/16/2026 12:27:00 AM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236529	5/16/2026 12:27:00 AM
Benzene	ND	0.0967	0.500		µg/L	1	R236529	5/16/2026 12:27:00 AM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236529	5/16/2026 12:27:00 AM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236529	5/16/2026 12:27:00 AM
Naphthalene	ND	0.206	0.500		µg/L	1	R236529	5/16/2026 12:27:00 AM
o-Xylene	ND	0.211	0.500		µg/L	1	R236529	5/16/2026 12:27:00 AM
Toluene	ND	0.160	0.500		µg/L	1	R236529	5/16/2026 12:27:00 AM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236529	5/16/2026 12:27:00 AM
Surr: 1,2-Dichlorobenzene-d4	96.5		70-130		%Rec	1	R236529	5/16/2026 12:27:00 AM
Surr: 4-Bromofluorobenzene	90.7		70-130		%Rec	1	R236529	5/16/2026 12:27:00 AM
<b>VOC BY GC/MS (8260D)</b>				<b>EPA 8260D</b>				<b>EPA 5030 B Analyst: RD</b>
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236360	5/13/2026 1:49:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236360	5/13/2026 1:49:00 PM
Surr: 4-Bromofluorobenzene	83.9		70-130		%Rec	1	R236360	5/13/2026 1:49:00 PM
Surr: Dibromofluoromethane	111		70-130		%Rec	1	R236360	5/13/2026 1:49:00 PM
Surr: Toluene-d8	108		70-130		%Rec	1	R236360	5/13/2026 1:49:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# Analytical Report

(consolidated)

WO#: **26050698**

Date Reported: **5/18/2026**

**Lab ID:** 26050698-009

**Collection Date:**

**Client Sample ID** Trip Blank 3

**Matrix:** DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC-GC/MS (524.2)</b>					<b>EPA 524.2</b>			<b>Analyst: EC</b>
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R236529	5/16/2026 12:55:00 AM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R236529	5/16/2026 12:55:00 AM
Benzene	ND	0.0967	0.500		µg/L	1	R236529	5/16/2026 12:55:00 AM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R236529	5/16/2026 12:55:00 AM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R236529	5/16/2026 12:55:00 AM
Naphthalene	ND	0.206	0.500		µg/L	1	R236529	5/16/2026 12:55:00 AM
o-Xylene	ND	0.211	0.500		µg/L	1	R236529	5/16/2026 12:55:00 AM
Toluene	ND	0.160	0.500		µg/L	1	R236529	5/16/2026 12:55:00 AM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R236529	5/16/2026 12:55:00 AM
Surr: 1,2-Dichlorobenzene-d4	93.1		70-130		%Rec	1	R236529	5/16/2026 12:55:00 AM
Surr: 4-Bromofluorobenzene	88.0		70-130		%Rec	1	R236529	5/16/2026 12:55:00 AM
<b>VOC BY GC/MS (8260D)</b>					<b>EPA 8260D</b>		<b>EPA 5030 B</b>	<b>Analyst: RD</b>
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R236360	5/13/2026 2:15:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R236360	5/13/2026 2:15:00 PM
Surr: 4-Bromofluorobenzene	89.6		70-130		%Rec	1	R236360	5/13/2026 2:15:00 PM
Surr: Dibromofluoromethane	115		70-130		%Rec	1	R236360	5/13/2026 2:15:00 PM
Surr: Toluene-d8	109		70-130		%Rec	1	R236360	5/13/2026 2:15:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode
	J	Analyte detected below quantitation limits		



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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** 96363

Sample ID: <b>MB-96363</b>	SampType: <b>MBLK</b>	TestCode: <b>SVOC_DW(52)</b>	Units: <b>µg/L</b>	Prep Date: <b>5/11/2026</b>	RunNo: <b>236430</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96363</b>	TestNo: <b>E525</b>	<b>525</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199215</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	0.100									
2-Methylnaphthalene	ND	0.100									
Acenaphthene	ND	0.100									
Acenaphthylene	ND	0.100									
Anthracene	ND	0.100									
Benz(a)anthracene	ND	0.100									
Benzo(a)pyrene	ND	0.100									
Benzo(b)fluoranthene	ND	0.100									
Benzo(g,h,i)perylene	ND	0.100									
Benzo(k)fluoranthene	ND	0.100									
Chrysene	ND	0.100									
Dibenz(a,h)anthracene	ND	0.100									
Fluoranthene	ND	0.100									
Fluorene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	1.00									
Naphthalene	ND	0.100									
Phenanthrene	ND	0.100									
Pyrene	ND	0.100									
Surr: 1,3-Dimethyl-2-nitrobenzene	3.95		5.000		79.0	70	130				
Surr: Benzo(a)pyrene-d12	5.18		5.000		104	70	130				
Surr: Triphenyl phosphate	6.75		5.000		135	70	130				S

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
	ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** 96363

Sample ID: <b>LCS-96363</b>	SampType: <b>LCS</b>	TestCode: <b>SVOC_DW(52)</b>	Units: <b>µg/L</b>	Prep Date: <b>5/11/2026</b>	RunNo: <b>236430</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96363</b>	TestNo: <b>E525</b>	<b>525</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199217</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	3.65	0.100	5.000	0	73.0	70	130				
2-Methylnaphthalene	3.92	0.100	5.000	0	78.4	70	130				
Acenaphthene	3.88	0.100	5.000	0	77.6	70	130				
Acenaphthylene	3.92	0.100	5.000	0	78.4	70	130				
Anthracene	4.12	0.100	5.000	0	82.4	70	130				
Benz(a)anthracene	4.71	0.100	5.000	0	94.2	70	130				
Benzo(a)pyrene	4.75	0.100	5.000	0	95.0	70	130				
Benzo(b)fluoranthene	5.08	0.100	5.000	0	102	70	130				
Benzo(g,h,i)perylene	5.34	0.100	5.000	0	107	70	130				
Benzo(k)fluoranthene	5.27	0.100	5.000	0	105	70	130				
Chrysene	5.22	0.100	5.000	0	104	70	130				
Dibenz(a,h)anthracene	5.24	0.100	5.000	0	105	70	130				
Fluoranthene	4.86	0.100	5.000	0	97.2	70	130				
Fluorene	4.19	0.100	5.000	0	83.8	70	130				
Indeno(1,2,3-cd)pyrene	5.11	1.00	5.000	0	102	70	130				m
Naphthalene	3.43	0.100	5.000	0	68.6	70	130				S
Phenanthrene	4.16	0.100	5.000	0	83.2	70	130				
Pyrene	4.81	0.100	5.000	0	96.2	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	3.95		5.000		79.0	70	130				
Surr: Benzo(a)pyrene-d12	5.53		5.000		111	70	130				
Surr: Triphenyl phosphate	6.55		5.000		131	70	130				S

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
	ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** 96363

Sample ID: <b>LCSD-96363</b>	SampType: <b>LCSD</b>	TestCode: <b>SVOC_DW(52</b>	Units: <b>µg/L</b>	Prep Date: <b>5/11/2026</b>	RunNo: <b>236430</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96363</b>	TestNo: <b>E525</b>	<b>525</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199219</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	3.75	0.100	5.000	0	75.0	70	130	3.650	2.70	30	
2-Methylnaphthalene	3.94	0.100	5.000	0	78.8	70	130	3.920	0.509	30	
Acenaphthene	4.10	0.100	5.000	0	82.0	70	130	3.880	5.51	30	
Acenaphthylene	4.11	0.100	5.000	0	82.2	70	130	3.920	4.73	30	
Anthracene	4.78	0.100	5.000	0	95.6	70	130	4.120	14.8	30	
Benz(a)anthracene	5.34	0.100	5.000	0	107	70	130	4.710	12.5	30	
Benzo(a)pyrene	5.39	0.100	5.000	0	108	70	130	4.750	12.6	30	
Benzo(b)fluoranthene	5.78	0.100	5.000	0	116	70	130	5.080	12.9	30	
Benzo(g,h,i)perylene	6.13	0.100	5.000	0	123	70	130	5.340	13.8	30	
Benzo(k)fluoranthene	6.06	0.100	5.000	0	121	70	130	5.270	13.9	30	
Chrysene	5.87	0.100	5.000	0	117	70	130	5.220	11.7	30	
Dibenz(a,h)anthracene	6.22	0.100	5.000	0	124	70	130	5.240	17.1	30	
Fluoranthene	5.54	0.100	5.000	0	111	70	130	4.860	13.1	30	
Fluorene	4.67	0.100	5.000	0	93.4	70	130	4.190	10.8	30	
Indeno(1,2,3-cd)pyrene	5.82	1.00	5.000	0	116	70	130	5.110	13.0	30	m
Naphthalene	3.38	0.100	5.000	0	67.6	70	130	3.430	1.47	30	S
Phenanthrene	4.82	0.100	5.000	0	96.4	70	130	4.160	14.7	30	
Pyrene	5.54	0.100	5.000	0	111	70	130	4.810	14.1	30	
Surr: 1,3-Dimethyl-2-nitrobenzene	3.47		5.000		69.4	70	130		0	30	S
Surr: Benzo(a)pyrene-d12	6.41		5.000		128	70	130		0	30	
Surr: Triphenyl phosphate	7.12		5.000		142	70	130		0	30	S

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** 96363

Sample ID: <b>26050634-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>SVOC_DW(52)</b>	Units: <b>µg/L</b>	Prep Date: <b>5/11/2026</b>	RunNo: <b>236430</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96363</b>	TestNo: <b>E525</b>	<b>525</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199229</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	4.07	0.0971	4.854	0	83.8	70	130				
2-Methylnaphthalene	5.02	0.0971	4.854	0	103	70	130				
Acenaphthene	4.34	0.0971	4.854	0	89.4	70	130				
Acenaphthylene	4.45	0.0971	4.854	0	91.6	70	130				
Anthracene	4.60	0.0971	4.854	0	94.8	70	130				
Benz(a)anthracene	5.01	0.0971	4.854	0	103	70	130				
Benzo(a)pyrene	5.24	0.0971	4.854	0	108	70	130				
Benzo(b)fluoranthene	5.39	0.0971	4.854	0	111	70	130				
Benzo(g,h,i)perylene	5.63	0.0971	4.854	0	116	70	130				
Benzo(k)fluoranthene	5.66	0.0971	4.854	0	117	70	130				
Chrysene	5.53	0.0971	4.854	0	114	70	130				
Dibenz(a,h)anthracene	5.73	0.0971	4.854	0	118	70	130				
Fluoranthene	5.10	0.0971	4.854	0	105	70	130				
Fluorene	4.74	0.0971	4.854	0	97.6	70	130				
Indeno(1,2,3-cd)pyrene	5.51	0.971	4.854	0	114	70	130				m
Naphthalene	3.70	0.0971	4.854	0	76.2	70	130				
Phenanthrene	4.54	0.0971	4.854	0	93.6	70	130				
Pyrene	5.11	0.0971	4.854	0.03883	104	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	4.35		4.854		89.6	70	130				
Surr: Benzo(a)pyrene-d12	6.06		4.854		125	70	130				
Surr: Triphenyl phosphate	6.90		4.854		142	70	130				S

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
	ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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 TEL: (330) 253-8211 FAX: (330) 253-4489  
 Website: <http://www.settek.com>

# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District  
**Project:** East Palestine

**BatchID:** 96363

Sample ID: 26050634-001AMSD	SampType: MSD	TestCode: SVOC_DW(52)	Units: µg/L	Prep Date: 5/11/2026	RunNo: 236430						
Client ID: BatchQC	Batch ID: 96363	TestNo: E525	525	Analysis Date: 5/14/2026	SeqNo: 6199230						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	3.99	0.0971	4.854	0	82.2	70	130	4.068	1.93	30	
2-Methylnaphthalene	4.26	0.0971	4.854	0	87.8	70	130	5.019	16.3	30	
Acenaphthene	4.25	0.0971	4.854	0	87.6	70	130	4.340	2.03	30	
Acenaphthylene	4.37	0.0971	4.854	0	90.0	70	130	4.447	1.76	30	
Anthracene	4.56	0.0971	4.854	0	94.0	70	130	4.602	0.847	30	
Benz(a)anthracene	4.96	0.0971	4.854	0	102	70	130	5.010	0.974	30	
Benzo(a)pyrene	5.20	0.0971	4.854	0	107	70	130	5.243	0.743	30	
Benzo(b)fluoranthene	5.35	0.0971	4.854	0	110	70	130	5.388	0.723	30	
Benzo(g,h,i)perylene	5.60	0.0971	4.854	0	115	70	130	5.631	0.519	30	
Benzo(k)fluoranthene	5.52	0.0971	4.854	0	114	70	130	5.660	2.43	30	
Chrysene	5.43	0.0971	4.854	0	112	70	130	5.534	1.95	30	
Dibenz(a,h)anthracene	5.69	0.0971	4.854	0	117	70	130	5.728	0.680	30	
Fluoranthene	5.14	0.0971	4.854	0	106	70	130	5.097	0.759	30	
Fluorene	4.65	0.0971	4.854	0	95.8	70	130	4.738	1.86	30	
Indeno(1,2,3-cd)pyrene	5.44	0.971	4.854	0	112	70	130	5.515	1.42	30	m
Naphthalene	3.61	0.0971	4.854	0	74.4	70	130	3.699	2.39	30	
Phenanthrene	4.50	0.0971	4.854	0	92.6	70	130	4.544	1.07	30	
Pyrene	5.11	0.0971	4.854	0.03883	104	70	130	5.107	0	30	
Surr: 1,3-Dimethyl-2-nitrobenzene	4.24		4.854		87.4	70	130		0	0	
Surr: Benzo(a)pyrene-d12	6.19		4.854		128	70	130		0	0	
Surr: Triphenyl phosphate	6.63		4.854		137	70	130		0	0	S

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
	ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** 96408

Sample ID: <b>MB-96408</b>	SampType: <b>MBLK</b>	TestCode: <b>SVOC-MSTR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/13/2026</b>	RunNo: <b>236444</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96408</b>	TestNo: <b>SW8270</b>	<b>SW3510C</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199817</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butoxyethanol	ND	30.0		0	0						
Surr: 2-Fluorophenol	0.0282		0.05000		56.4	10	130				
Surr: Phenol-d6	0.0182		0.05000		36.3	10	130				
Surr: Nitrobenzene-d5	0.0442		0.05000		88.4	10	130				
Surr: 2,4,6-Tribromophenol	0.0515		0.05000		103	16	151				
Surr: 2-Fluorobiphenyl	0.0410		0.05000		81.9	10	130				
Surr: p-Terphenyl-d14	0.0529		0.05000		106	20	181				

Sample ID: <b>LCS-96408</b>	SampType: <b>LCS</b>	TestCode: <b>SVOC-MSTR</b>	Units: <b>%Rec</b>	Prep Date: <b>5/13/2026</b>	RunNo: <b>236444</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96408</b>	TestNo: <b>SW8270</b>	<b>SW3510C</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199818</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	0.0279		0.05000		55.8	10	130				
Surr: Phenol-d6	0.0192		0.05000		38.5	10	130				
Surr: Nitrobenzene-d5	0.0411		0.05000		82.3	10	130				
Surr: 2,4,6-Tribromophenol	0.0554		0.05000		111	16	151				
Surr: 2-Fluorobiphenyl	0.0399		0.05000		79.8	10	130				
Surr: p-Terphenyl-d14	0.0505		0.05000		101	20	181				

Sample ID: <b>26050634-001BMS</b>	SampType: <b>MS</b>	TestCode: <b>SVOC-MSTR</b>	Units: <b>%Rec</b>	Prep Date: <b>5/13/2026</b>	RunNo: <b>236444</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96408</b>	TestNo: <b>SW8270</b>	<b>SW3510C</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199820</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** 96408

Sample ID: <b>26050634-001BMS</b>	SampType: <b>MS</b>	TestCode: <b>SVOC-MSTR</b>	Units: <b>%Rec</b>	Prep Date: <b>5/13/2026</b>	RunNo: <b>236444</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96408</b>	TestNo: <b>SW8270</b>	<b>SW3510C</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199820</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	0.0271		0.04762		56.9	10	130				
Surr: Phenol-d6	0.0184		0.04762		38.7	10	130				
Surr: Nitrobenzene-d5	0.0372		0.04762		78.2	10	130				
Surr: 2,4,6-Tribromophenol	0.0567		0.04762		119	16	151				
Surr: 2-Fluorobiphenyl	0.0359		0.04762		75.4	10	130				
Surr: p-Terphenyl-d14	0.0477		0.04762		100	20	181				

Sample ID: <b>26050634-001BMSD</b>	SampType: <b>MSD</b>	TestCode: <b>SVOC-MSTR</b>	Units: <b>%Rec</b>	Prep Date: <b>5/13/2026</b>	RunNo: <b>236444</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>96408</b>	TestNo: <b>SW8270</b>	<b>SW3510C</b>	Analysis Date: <b>5/14/2026</b>	SeqNo: <b>6199821</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	0.0265		0.04854		54.6	10	130		0		
Surr: Phenol-d6	0.0180		0.04854		37.0	10	130		0		
Surr: Nitrobenzene-d5	0.0357		0.04854		73.5	10	130		0		
Surr: 2,4,6-Tribromophenol	0.0507		0.04854		104	16	151		0		
Surr: 2-Fluorobiphenyl	0.0333		0.04854		68.7	10	130		0		
Surr: p-Terphenyl-d14	0.0411		0.04854		84.7	20	181		0		

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respor
	ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** R236287

Sample ID: <b>LCS-R236287</b>	SampType: <b>LCS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236287</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236287</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>5/12/2026</b>	SeqNo: <b>6194922</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	17.2	5.00	20.00	0	85.8	70	190				
n-Butyl acrylate	15.5	5.00	20.00	0	77.5	60	133				
Surr: 4-Bromofluorobenzene	42.3		50.00		84.7	70	130				
Surr: Dibromofluoromethane	51.7		50.00		103	70	130				
Surr: Toluene-d8	50.8		50.00		102	70	130				

Sample ID: <b>MB-R236287</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236287</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236287</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>5/12/2026</b>	SeqNo: <b>6194925</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	ND	5.00									
n-Butyl acrylate	ND	5.00									
Surr: 4-Bromofluorobenzene	43.5		50.00		86.9	70	130				
Surr: Dibromofluoromethane	52.8		50.00		106	70	130				
Surr: Toluene-d8	53.0		50.00		106	70	130				

Sample ID: <b>26050685-001DMS</b>	SampType: <b>MS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236287</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236287</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>5/12/2026</b>	SeqNo: <b>6194934</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	22.7	5.00	20.00	0	114	70	190				
n-Butyl acrylate	19.5	5.00	20.00	0	97.5	18.8	188				QMR
Surr: 4-Bromofluorobenzene	42.6		50.00		85.2	70	130				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respor
ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** R236287

Sample ID: <b>26050685-001DMS</b>	SampType: <b>MS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236287</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236287</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>5/12/2026</b>	SeqNo: <b>6194934</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	50.6		50.00		101	70	130				
Surr: Toluene-d8	50.3		50.00		101	46.1	154				

Sample ID: <b>26050685-001DMSD</b>	SampType: <b>MSD</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236287</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236287</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>5/12/2026</b>	SeqNo: <b>6194935</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	20.3	5.00	20.00	0	102	70	190	22.74	11.2	20	
n-Butyl acrylate	15.3	5.00	20.00	0	76.7	18.8	188	19.49	23.9	20	R
Surr: 4-Bromofluorobenzene	41.9		50.00		83.8	70	130		0	20	
Surr: Dibromofluoromethane	49.9		50.00		99.8	70	130		0	20	
Surr: Toluene-d8	47.9		50.00		95.9	46.1	154		0	20	

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
	ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** R236360

Sample ID: <b>26050806-003AMS</b>	SampType: <b>MS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>236360</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236360</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>5/13/2026</b>	SeqNo: <b>6197301</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	44.2		50.00		88.3	70	130				
Surr: Dibromofluoromethane	51.0		50.00		102	70	130				
Surr: Toluene-d8	48.3		50.00		96.7	70	130				

Sample ID: <b>26050806-003AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>236360</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236360</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>5/13/2026</b>	SeqNo: <b>6197302</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	42.4		50.00		84.8	70	130		0	20	
Surr: Dibromofluoromethane	48.8		50.00		97.6	70	130		0	20	
Surr: Toluene-d8	49.5		50.00		99.0	70	130		0	20	

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
	ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** R236360

Sample ID: <b>LCS-R236360</b>	SampType: <b>LCS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236360</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236360</b>	TestNo: <b>SW8260</b>		Analysis Date: <b>5/13/2026</b>	SeqNo: <b>6197289</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	19.2	5.00	20.00	0	96.2	70	190				
n-Butyl acrylate	16.0	5.00	20.00	0	80.2	60	133				
Surr: 4-Bromofluorobenzene	44.8		50.00		89.7	70	130				
Surr: Dibromofluoromethane	49.4		50.00		98.8	70	130				
Surr: Toluene-d8	47.9		50.00		95.8	70	130				

Sample ID: <b>MB-R236360</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236360</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236360</b>	TestNo: <b>SW8260</b>		Analysis Date: <b>5/13/2026</b>	SeqNo: <b>6197292</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	ND	5.00									
n-Butyl acrylate	ND	5.00									
Surr: 4-Bromofluorobenzene	46.2		50.00		92.4	70	130				
Surr: Dibromofluoromethane	55.1		50.00		110	70	130				
Surr: Toluene-d8	53.8		50.00		108	70	130				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** R236529

Sample ID: <b>LCS-R236529</b>	SampType: <b>LCS</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236529</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236529</b>	TestNo: <b>E524.2</b>	Analysis Date: <b>5/15/2026</b>	SeqNo: <b>6202973</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	4.98	0.500	5.000	0	99.7	70	130				
1,2,4-Trimethylbenzene	4.89	0.500	5.000	0	97.9	70	130				
Benzene	4.77	0.500	5.000	0	95.4	70	130				
Ethylbenzene	4.93	0.500	5.000	0	98.6	70	130				
m,p-Xylene	9.88	0.500	10.00	0	98.8	70	130				
Naphthalene	4.73	0.500	5.000	0	94.6	70	130				
o-Xylene	4.88	0.500	5.000	0	97.5	70	130				
Toluene	4.74	0.500	5.000	0	94.8	70	130				
Vinyl chloride	3.96	0.500	5.000	0	79.3	70	130				
Surr: 1,2-Dichlorobenzene-d4	10.2		10.00		102	70	130				
Surr: 4-Bromofluorobenzene	9.55		10.00		95.5	70	130				

Sample ID: <b>MB-R236529</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236529</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236529</b>	TestNo: <b>E524.2</b>	Analysis Date: <b>5/15/2026</b>	SeqNo: <b>6202975</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.500									
Benzene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	0.500									
Naphthalene	ND	0.500									
o-Xylene	ND	0.500									
Toluene	ND	0.500									
Vinyl chloride	ND	0.500									

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

Original



Alliance Technical Group - Akron  
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 Cuyahoga Falls, Ohio 44223  
 TEL: (330) 253-8211 FAX: (330) 253-4489  
 Website: <http://www.settek.com>

# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** R236529

Sample ID: <b>MB-R236529</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236529</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236529</b>	TestNo: <b>E524.2</b>		Analysis Date: <b>5/15/2026</b>	SeqNo: <b>6202975</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	9.17		10.00		91.7	70	130				
Surr: 4-Bromofluorobenzene	9.05		10.00		90.5	70	130				

Sample ID: <b>26050698-001CDUP</b>	SampType: <b>DUP</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236529</b>						
Client ID: <b>PW-453</b>	Batch ID: <b>R236529</b>	TestNo: <b>E524.2</b>		Analysis Date: <b>5/16/2026</b>	SeqNo: <b>6202981</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloropropene	ND	0.500						0	0	20	
1,2,4-Trimethylbenzene	ND	0.500						0	0	20	
Benzene	ND	0.500						0	0	20	
Ethylbenzene	ND	0.500						0	0	20	
m,p-Xylene	ND	0.500						0	0	20	
Naphthalene	ND	0.500						0	0	20	
o-Xylene	ND	0.500						0	0	20	
Toluene	ND	0.500						0	0	20	
Vinyl chloride	ND	0.500						0	0	20	
Surr: 1,2-Dichlorobenzene-d4	9.43		10.00		94.3	70	130		0	20	
Surr: 4-Bromofluorobenzene	8.80		10.00		88.0	70	130		0	20	

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respor
ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

Original



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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** R236540

Sample ID: <b>LCS-R236540</b>	SampType: <b>LCS</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236540</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236540</b>	TestNo: <b>E524.2</b>	Analysis Date: <b>5/17/2026</b>	SeqNo: <b>6203716</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	4.83	0.500	5.000	0	96.5	70	130				
1,2,4-Trimethylbenzene	4.84	0.500	5.000	0	96.8	70	130				
Benzene	4.96	0.500	5.000	0	99.3	70	130				
Ethylbenzene	4.88	0.500	5.000	0	97.5	70	130				
m,p-Xylene	10.1	0.500	10.00	0	101	70	130				
Naphthalene	9.05	0.500	5.000	0	181	70	130				S
o-Xylene	4.81	0.500	5.000	0	96.3	70	130				
Toluene	4.84	0.500	5.000	0	96.9	70	130				
Vinyl chloride	4.57	0.500	5.000	0	91.4	70	130				
Surr: 1,2-Dichlorobenzene-d4	10.2		10.00		102	70	130				
Surr: 4-Bromofluorobenzene	9.40		10.00		94.0	70	130				

Sample ID: <b>MB-R236540</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236540</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236540</b>	TestNo: <b>E524.2</b>	Analysis Date: <b>5/17/2026</b>	SeqNo: <b>6203718</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.500									
Benzene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	0.500									
Naphthalene	ND	0.500									
o-Xylene	ND	0.500									
Toluene	ND	0.500									
Vinyl chloride	ND	0.500									

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respo
ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

Original



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# QC SUMMARY REPORT

WO#: 26050698

18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

**BatchID:** R236540

Sample ID: <b>MB-R236540</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236540</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236540</b>	TestNo: <b>E524.2</b>		Analysis Date: <b>5/17/2026</b>	SeqNo: <b>6203718</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	9.14		10.00		91.4	70	130				
Surr: 4-Bromofluorobenzene	8.89		10.00		88.9	70	130				

Sample ID: <b>26051134-002CDUP</b>	SampType: <b>DUP</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>236540</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R236540</b>	TestNo: <b>E524.2</b>		Analysis Date: <b>5/17/2026</b>	SeqNo: <b>6203738</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.500						0	0	20	
1,2,4-Trimethylbenzene	ND	0.500						0	0	20	
Benzene	ND	0.500						0	0	20	
Ethylbenzene	ND	0.500						0	0	20	
m,p-Xylene	ND	0.500						0	0	20	
Naphthalene	ND	0.500						0	0	20	
o-Xylene	ND	0.500						0	0	20	
Toluene	ND	0.500						0	0	20	
Vinyl chloride	ND	0.500						0	0	20	
Surr: 1,2-Dichlorobenzene-d4	8.74		10.00		87.4	70	130		0	20	
Surr: 4-Bromofluorobenzene	8.46		10.00		84.6	70	130		0	20	

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respor
	ND	Not Detected	PL	Permit Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits

Original

These commonly used Qualifiers and Acronyms may or may not be present in this report.

**Qualifiers**

<b>U</b>	The compound was analyzed for but was not detected above the MDL.
<b>J</b>	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
<b>H</b>	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
<b>D</b>	The result is reported from a dilution.
<b>E</b>	The result exceeded the linear range of the calibration or is estimated due to interference.
<b>MC</b>	The result is below the Minimum Compound Limit.
<b>*</b>	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
<b>m</b>	Manual integration was used to determine the area response.
<b>d</b>	Manual integration in which peak was deleted
<b>N</b>	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
<b>P</b>	The second column confirmation exceeded 25% difference.
<b>C</b>	The result has been confirmed by GC/MS.
<b>X</b>	The result was not confirmed when GC/MS Analysis was performed.
<b>B</b>	The analyte was detected in the Method Blank at a concentration greater than the RL.
<b>MB+</b>	The analyte was detected in the Method Blank at a concentration greater than the MDL.
<b>G</b>	The ICB or CCB contained reportable amounts of analyte.
<b>QC-/+</b>	The CCV recovery failed low (-) or high (+).
<b>R/QDR</b>	The RPD was outside of accepted recovery limits.
<b>QL-/+</b>	The LCS or LCSD recovery failed low (-) or high (+).
<b>QLR</b>	The LCS/LCSD RPD was outside of accepted recovery limits.
<b>QM-/+</b>	The MS or MSD recovery failed low (-) or high (+).
<b>QMR</b>	The MS/MSD RPD was outside of accepted recovery limits.
<b>QV-/+</b>	The ICV recovery failed low (-) or high (+).
<b>S</b>	The spike result was outside of accepted recovery limits.
<b>W</b>	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
<b>Z</b>	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

**Acronyms**

<b>ND</b>	Not Detected	<b>RL</b>	Reporting Limit
<b>QC</b>	Quality Control	<b>MDL</b>	Method Detection Limit
<b>MB</b>	Method Blank	<b>LOD</b>	Level of Detection
<b>LCS</b>	Laboratory Control Sample	<b>LOQ</b>	Level of Quantitation
<b>LCSD</b>	Laboratory Control Sample Duplicate	<b>PQL</b>	Practical Quantitation Limit
<b>QCS</b>	Quality Control Sample	<b>CRQL</b>	Contract Required Quantitation Limit
<b>DUP</b>	Duplicate	<b>PL</b>	Permit Limit
<b>MS</b>	Matrix Spike	<b>RegLvl</b>	Regulatory Limit
<b>MSD</b>	Matrix Spike Duplicate	<b>MCL</b>	Maximum Contamination Limit
<b>RPD</b>	Relative Percent Different	<b>MinCL</b>	Minimum Compound Limit
<b>ICV</b>	Initial Calibration Verification	<b>RA</b>	Reanalysis
<b>ICB</b>	Initial Calibration Blank	<b>RE</b>	Reextraction
<b>CCV</b>	Continuing Calibration Verification	<b>TIC</b>	Tentatively Identified Compound
<b>CCB</b>	Continuing Calibration Blank	<b>RT</b>	Retention Time
<b>RLC</b>	Reporting Limit Check	<b>CF</b>	Calibration Factor

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**



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## DATES REPORT

WO#: 26050698  
 18-May-26

**Client:** Columbiana County Health District  
**Project:** East Palestine

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
26050698-001A	PW-453	5/8/2026 12:10:00 PM	Drinking Water	Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 11:30:00 AM
				Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/14/2026 11:50:00 PM
26050698-001B				SVOC by 8270E		5/13/2026 2:17:00 PM	5/15/2026 12:45:00 AM
26050698-001C				VOC-GC/MS (524.2)			5/16/2026 1:51:00 AM
26050698-001D				VOC by GC/MS (8260D)			5/12/2026 5:31:00 PM
26050698-002A	PW-458	5/8/2026 12:50:00 PM		Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 12:24:00 AM
				Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 12:03:00 PM
26050698-002B				SVOC by 8270E		5/13/2026 2:17:00 PM	5/15/2026 1:17:00 AM
26050698-002C				VOC-GC/MS (524.2)			5/17/2026 7:05:00 PM
26050698-002D				VOC by GC/MS (8260D)			5/12/2026 5:57:00 PM
26050698-003A	DUP	5/8/2026		Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 12:57:00 AM
				Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 12:37:00 PM
26050698-003B				SVOC by 8270E		5/13/2026 2:17:00 PM	5/15/2026 1:49:00 AM
26050698-003C				VOC-GC/MS (524.2)			5/17/2026 7:33:00 PM
26050698-003D				VOC by GC/MS (8260D)			5/12/2026 6:22:00 PM
26050698-004A	PW-845	5/8/2026 11:00:00 AM		Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 2:37:00 AM
26050698-004B				SVOC by 8270E		5/13/2026 2:17:00 PM	5/15/2026 2:21:00 AM
26050698-004C				VOC-GC/MS (524.2)			5/17/2026 8:01:00 PM
26050698-004D				VOC by GC/MS (8260D)			5/12/2026 6:48:00 PM
26050698-005A	PW-349	5/8/2026 9:55:00 AM		Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 3:10:00 AM

Original



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## DATES REPORT

WO#: 26050698  
 18-May-26

**Client:** Columbiana County Health District

**Project:** East Palestine

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
26050698-005A	PW-349	5/8/2026 9:55:00 AM	Drinking Water	Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 1:10:00 PM
26050698-005B				SVOC by 8270E		5/13/2026 2:17:00 PM	5/15/2026 2:52:00 AM
26050698-005C				VOC-GC/MS (524.2)			5/17/2026 8:29:00 PM
26050698-005D				VOC by GC/MS (8260D)			5/12/2026 7:14:00 PM
26050698-006A	FB-349	5/8/2026 9:30:00 AM		Synthetic Organic Compounds by GC/ (EPA 525.3)		5/11/2026 10:00:00 AM	5/15/2026 3:44:00 AM
26050698-006B				SVOC by 8270E		5/13/2026 2:17:00 PM	5/15/2026 3:24:00 AM
26050698-006C				VOC-GC/MS (524.2)			5/17/2026 8:56:00 PM
26050698-006D				VOC by GC/MS (8260D)			5/12/2026 7:39:00 PM
26050698-007A	Trip Blank 1			VOC-GC/MS (524.2)			5/16/2026
26050698-007B				VOC by GC/MS (8260D)			5/12/2026 8:05:00 PM
26050698-008A	Trip Blank 2			VOC-GC/MS (524.2)			5/16/2026 12:27:00 AM
26050698-008B				VOC by GC/MS (8260D)			5/13/2026 1:49:00 PM
26050698-009A	Trip Blank 3			VOC-GC/MS (524.2)			5/16/2026 12:55:00 AM
26050698-009B				VOC by GC/MS (8260D)			5/13/2026 2:15:00 PM

Original











3310 Vile Street Oregonia  
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Analysis Request / Chain of Custody  
<http://www.alliancecg.com/service/environmental>  
<https://secure.aem/>

Client Name		Project Name		Project No.		LAB NO.		Per Alliance Technical Group, LLC-Ohio only	
CCHD		CCHD		[REDACTED]		[REDACTED]		16050698	
Client Street Address		Project Address		Project ID		Analytical Parameters and Methods Requested			
7360 SR 45		Lisbon OH 44432		CCHD		[REDACTED]			
Client Phone		Client Email Address		Project ID		Project ID			
330-424-0272		Kevin Summerville		CCHD		CCHD			
Client Name		Project ID		Queue Number		Priority ID			
Kevin Summerville		CCHD							
Client Email Address		Project ID		Queue Number		Priority ID			
ksummerville@odumblana-health.org		CCHD							
Sample ID		Sample Identification		Date Collected		Time Collected			
PWS445		Outside Spigot 5/8/26		5/8/26		11:00			
Grab Sample		Composite Sample		Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water		Preservation: 1) HNO <sub>3</sub> ; 2) H <sub>2</sub> SO <sub>4</sub> ; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDTA; 7) none; 8) other (specify in comments)			
Number of Containers per Sample		524		8270		525		8260	
RUSH Requested: Day(s)		5/11		8:30					
Notes / Comments		524: HCl, 8260: HCl, 525: Sodium Sulfite		C.S. JONES 5/11/26		Sufficient volume for analysis?		YES NO	
Receipt Temperature		Cooler Seals? Sample Seals?		Cooler Seals? Sample Seals?		Cooler Seals? Sample Seals?		Cooler Seals? Sample Seals?	
1.2		YES YES		YES YES		YES YES		YES YES	
NOT INTACT		NOT INTACT		NOT INTACT		NOT INTACT		NOT INTACT	
MELTED		MELTED		MELTED		MELTED		MELTED	
N/A		N/A		N/A		N/A		N/A	

Received at ATG-Arena by: [Signature]

Date: 5/11/26

Time: 12:26

Carrier: ATG

Received by: [Signature]

Date: 5/11/26

Time: 8:30

Carrier: ATG

Notes / Comments: 524: HCl, 8260: HCl, 525: Sodium Sulfite

Sufficient volume for analysis?

YES NO

Cooler Seals? Sample Seals?

YES YES

Cooler Seals? Sample Seals?

YES YES

Cooler Seals? Sample Seals?

YES YES






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## Sample Log-In Check List

Client Name: **COL-OH-44432**

Work Order Number: **26050698**

RcptNo: **1**

Logged by:	<b>Nick Rigby</b>	<b>5/8/2026 12:10:00 PM</b>	
Completed By:	<b>Nick Rigby</b>	<b>5/11/2026 4:15:29 PM</b>	
Reviewed By:	<b>Holly Florea</b>	<b>5/12/2026 8:10:38 AM</b>	

### Chain of Custody

1. Is Chain of Custody complete? Yes  No  Not Present   
 2. How was the sample delivered? Alliance

### Log In

3. Coolers are present? Yes  No  NA   
 4. Shipping container/cooler in good condition? Yes  No   
 Custody seals intact on shipping container/cooler? Yes  No  Not Present  NA   
 No. Seal Date: 5/11/2026 Signed By:  
 5. Was an attempt made to cool the samples? Yes  No  NA   
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA   
 7. Sample(s) in proper container(s)? Yes  No   
 8. Sufficient sample volume for indicated test(s)? Yes  No   
 9. Are samples (except VOA and ONG) properly preserved? Yes  No   
 10. Was preservative added to bottles? Yes  No  NA   
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes  No  No VOA Vials   
 12. Were any sample containers received broken? Yes  No   
 13. Does paperwork match bottle labels? Yes  No   
 (Note discrepancies on chain of custody)  
 14. Are matrices correctly identified on Chain of Custody? Yes  No   
 15. Is it clear what analyses were requested? Yes  No   
 16. Were all holding times able to be met? Yes  No   
 (If no, notify customer for authorization.)

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

### Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes		5/11/2026	
2	1.2	Good	Yes		5/11/2026	
3	1.0	Good	Yes		5/11/2026	