



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

April 21, 2026

Laura Fauss, MPH, REHS  
Columbiana County Health District  
7360 SR 45  
P.O. Box 309  
Lisbon, OH 44432  
TEL: (330) 424-0272  
FAX:

RE: Extended Sampling

Dear Laura Fauss, MPH, REHS:

Order No.: 26040314

Alliance Technical Group - Akron received 3 sample(s) on 4/3/2026 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, flowing style.

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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## Workorder Sample Summary

WO#: 26040314  
 21-Apr-26

**CLIENT:** Columbiana County Health District  
**Project:** Extended Sampling

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
26040314-001	ES-082		3/31/2026 2:30:00 PM	4/3/2026 12:05:00 PM	Drinking Water
26040314-001	ES-082		3/31/2026 2:30:00 PM	4/3/2026 12:05:00 PM	Drinking Water
26040314-001	ES-082		3/31/2026 2:30:00 PM	4/3/2026 12:05:00 PM	Drinking Water
26040314-001	ES-082		3/31/2026 2:30:00 PM	4/3/2026 12:05:00 PM	Drinking Water
26040314-002	FB-082		3/31/2026 2:20:00 PM	4/3/2026 12:05:00 PM	Drinking Water
26040314-002	FB-082		3/31/2026 2:20:00 PM	4/3/2026 12:05:00 PM	Drinking Water
26040314-002	FB-082		3/31/2026 2:20:00 PM	4/3/2026 12:05:00 PM	Drinking Water
26040314-002	FB-082		3/31/2026 2:20:00 PM	4/3/2026 12:05:00 PM	Drinking Water
26040314-003	Trip Blank			4/3/2026 12:05:00 PM	Drinking Water
26040314-003	Trip Blank			4/3/2026 12:05:00 PM	Drinking Water



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## Case Narrative

WO#: 26040314  
Date: 4/21/2026

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**CLIENT:** Columbiana County Health District  
**Project:** Extended Sampling

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### WorkOrder Narrative:

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.

### WorkOrder Comments:

26040314: The lab does not routinely spike for 2-Butoxyethanol; this compound is included in the instrument initial calibration and initial calibration verification.

### Analytical Sequence Sample Notes:

26040314-002A SVOC\_DW(525.3): Possible high bias due to high surrogate recovery. Sample is ND.

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Original



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# Analytical Report

(consolidated)

WO#: 26040314

Date Reported: 4/21/2026

Lab ID: 26040314-001

Collection Date: 3/31/2026 2:30:00 PM

Client Sample ID ES-082

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	95397	4/7/2026 8:50:00 PM
2-Methylnaphthalene	ND	0.00523	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Acenaphthene	ND	0.00463	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Acenaphthylene	ND	0.00318	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Anthracene	ND	0.00933	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Benz(a)anthracene	ND	0.00386	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Benzo(a)pyrene	ND	0.00386	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Benzo(b)fluoranthene	ND	0.00452	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Benzo(g,h,i)perylene	ND	0.00408	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Benzo(k)fluoranthene	ND	0.00510	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Chrysene	ND	0.00432	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Dibenz(a,h)anthracene	ND	0.00359	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Fluoranthene	ND	0.0302	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Fluorene	ND	0.00378	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00429	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Naphthalene	ND	0.0449	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Phenanthrene	ND	0.00383	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Pyrene	ND	0.00630	0.0980		µg/L	1	95397	4/7/2026 8:50:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	98.4		70-130		%Rec	1	95397	4/7/2026 8:50:00 PM
Surr: Benzo(a)pyrene-d12	108		70-130		%Rec	1	95397	4/7/2026 8:50:00 PM
Surr: Triphenyl phosphate	125		70-130		%Rec	1	95397	4/7/2026 8:50:00 PM
<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	95470	4/10/2026 6:29:00 AM
Surr: Nitrobenzene-d5	103		10-130		%Rec	1	95470	4/10/2026 6:29:00 AM
Surr: 2-Fluorobiphenyl	82.4		10-130		%Rec	1	95470	4/10/2026 6:29:00 AM
Surr: p-Terphenyl-d14	116		20-181		%Rec	1	95470	4/10/2026 6:29:00 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	R233688	4/6/2026 5:39:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R233688	4/6/2026 5:39:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R233688	4/6/2026 5:39:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R233688	4/6/2026 5:39:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R233688	4/6/2026 5:39:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R233688	4/6/2026 5:39:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R233688	4/6/2026 5:39:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R233688	4/6/2026 5:39:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R233688	4/6/2026 5:39:00 PM
Surr: 1,2-Dichlorobenzene-d4	102		70-130		%Rec	1	R233688	4/6/2026 5:39:00 PM
Surr: 4-Bromofluorobenzene	99.9		70-130		%Rec	1	R233688	4/6/2026 5:39:00 PM

**Qualifiers:**

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected  
 R RPD outside accepted recovery limits  
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range  
 M Manual Integration used to determine area response  
 PL Permit Limit  
 RL Reporting Detection Limit  
 J Analyte detected below quantitation limits



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# Analytical Report

(consolidated)

WO#: **26040314**

Date Reported: **4/21/2026**

**Lab ID:** 26040314-001

**Collection Date:** 3/31/2026 2:30:00 PM

**Client Sample ID** ES-082

**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	R233920	4/8/2026 2:29:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R233920	4/8/2026 2:29:00 PM
Surr: 4-Bromofluorobenzene	109		70-130		%Rec	1	R233920	4/8/2026 2:29:00 PM
Surr: Dibromofluoromethane	98.8		70-130		%Rec	1	R233920	4/8/2026 2:29:00 PM
Surr: Toluene-d8	101		70-130		%Rec	1	R233920	4/8/2026 2:29:00 PM

**Qualifiers:**

- |    |   |    |  |
|----|---|----|--|
| B  | Analyte detected in the associated Method Blank                       | 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#: 26040314

Date Reported: 4/21/2026

Lab ID: 26040314-002

Collection Date: 3/31/2026 2:20:00 PM

Client Sample ID FB-082

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	95397	4/7/2026 9:23:00 PM
2-Methylnaphthalene	ND	0.00528	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Acenaphthene	ND	0.00468	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Acenaphthylene	ND	0.00321	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Anthracene	ND	0.00943	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Benz(a)anthracene	ND	0.00390	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Benzo(a)pyrene	ND	0.00389	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Benzo(b)fluoranthene	ND	0.00456	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Benzo(g,h,i)perylene	ND	0.00412	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Benzo(k)fluoranthene	ND	0.00515	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Chrysene	ND	0.00436	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Dibenz(a,h)anthracene	ND	0.00362	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Fluoranthene	ND	0.0305	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Fluorene	ND	0.00381	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00433	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Naphthalene	ND	0.0454	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Phenanthrene	ND	0.00387	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Pyrene	ND	0.00636	0.0990		µg/L	1	95397	4/7/2026 9:23:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	104		70-130		%Rec	1	95397	4/7/2026 9:23:00 PM
Surr: Benzo(a)pyrene-d12	102		70-130		%Rec	1	95397	4/7/2026 9:23:00 PM
Surr: Triphenyl phosphate	131		70-130	S	%Rec	1	95397	4/7/2026 9:23:00 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	95470	4/10/2026 7:01:00 AM
Surr: Nitrobenzene-d5	92.5		10-130		%Rec	1	95470	4/10/2026 7:01:00 AM
Surr: 2-Fluorobiphenyl	71.8		10-130		%Rec	1	95470	4/10/2026 7:01:00 AM
Surr: p-Terphenyl-d14	115		20-181		%Rec	1	95470	4/10/2026 7:01:00 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	R233688	4/6/2026 6:07:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R233688	4/6/2026 6:07:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R233688	4/6/2026 6:07:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R233688	4/6/2026 6:07:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R233688	4/6/2026 6:07:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R233688	4/6/2026 6:07:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R233688	4/6/2026 6:07:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R233688	4/6/2026 6:07:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R233688	4/6/2026 6:07:00 PM
Surr: 1,2-Dichlorobenzene-d4	99.2		70-130		%Rec	1	R233688	4/6/2026 6:07:00 PM
Surr: 4-Bromofluorobenzene	95.0		70-130		%Rec	1	R233688	4/6/2026 6:07:00 PM

**Qualifiers:**

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected  
 R RPD outside accepted recovery limits  
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range  
 M Manual Integration used to determine area response  
 PL Permit Limit  
 RL Reporting Detection Limit  
 J Analyte detected below quantitation limits



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# Analytical Report

(consolidated)

WO#: **26040314**

Date Reported: **4/21/2026**

**Lab ID:** 26040314-002

**Collection Date:** 3/31/2026 2:20:00 PM

**Client Sample ID** FB-082

**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> Analyst: <b>RD</b>	
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R233920	4/8/2026 2:56:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R233920	4/8/2026 2:56:00 PM
Surr: 4-Bromofluorobenzene	108		70-130		%Rec	1	R233920	4/8/2026 2:56:00 PM
Surr: Dibromofluoromethane	98.6		70-130		%Rec	1	R233920	4/8/2026 2:56:00 PM
Surr: Toluene-d8	101		70-130		%Rec	1	R233920	4/8/2026 2:56:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	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#: **26040314**

Date Reported: **4/21/2026**

**Lab ID:** 26040314-003

**Collection Date:**

**Client Sample ID** Trip Blank

**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	R233688	4/6/2026 6:35:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R233688	4/6/2026 6:35:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R233688	4/6/2026 6:35:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R233688	4/6/2026 6:35:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R233688	4/6/2026 6:35:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R233688	4/6/2026 6:35:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R233688	4/6/2026 6:35:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R233688	4/6/2026 6:35:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R233688	4/6/2026 6:35:00 PM
Surr: 1,2-Dichlorobenzene-d4	93.8		70-130		%Rec	1	R233688	4/6/2026 6:35:00 PM
Surr: 4-Bromofluorobenzene	98.6		70-130		%Rec	1	R233688	4/6/2026 6:35:00 PM
<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	R233920	4/8/2026 3:22:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R233920	4/8/2026 3:22:00 PM
Surr: 4-Bromofluorobenzene	106		70-130		%Rec	1	R233920	4/8/2026 3:22:00 PM
Surr: Dibromofluoromethane	99.1		70-130		%Rec	1	R233920	4/8/2026 3:22:00 PM
Surr: Toluene-d8	101		70-130		%Rec	1	R233920	4/8/2026 3:22:00 PM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	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#: 26040314  
 21-Apr-26

**Client:** Columbiana County Health District  
**Project:** Extended Sampling

**BatchID:** 95397

Sample ID: <b>LCS-95397</b>	SampType: <b>LCS</b>	TestCode: <b>SVOC_DW(52</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2026</b>	RunNo: <b>233799</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>95397</b>	TestNo: <b>E525</b>	<b>525</b>	Analysis Date: <b>4/7/2026</b>	SeqNo: <b>6133780</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	4.12	0.100	5.000	0	82.4	70	130				
2-Methylnaphthalene	4.09	0.100	5.000	0	81.8	70	130				
Acenaphthene	4.21	0.100	5.000	0	84.2	70	130				
Acenaphthylene	4.21	0.100	5.000	0	84.2	70	130				
Anthracene	4.55	0.100	5.000	0	91.0	70	130				
Benz(a)anthracene	4.53	0.100	5.000	0	90.6	70	130				
Benzo(a)pyrene	4.29	0.100	5.000	0	85.8	70	130				
Benzo(b)fluoranthene	4.42	0.100	5.000	0	88.4	70	130				
Benzo(g,h,i)perylene	4.35	0.100	5.000	0	87.0	70	130				
Benzo(k)fluoranthene	4.70	0.100	5.000	0	94.0	70	130				
Chrysene	5.07	0.100	5.000	0	101	70	130				
Dibenz(a,h)anthracene	4.09	0.100	5.000	0	81.8	70	130				
Fluoranthene	4.64	0.100	5.000	0	92.8	70	130				
Fluorene	4.42	0.100	5.000	0	88.4	70	130				
Indeno(1,2,3-cd)pyrene	4.18	1.00	5.000	0	83.6	70	130				m
Naphthalene	3.97	0.100	5.000	0	79.4	70	130				
Phenanthrene	4.51	0.100	5.000	0	90.2	70	130				
Pyrene	4.72	0.100	5.000	0	94.4	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	4.81		5.000		96.2	70	130				
Surr: Benzo(a)pyrene-d12	5.36		5.000		107	70	130				
Surr: Triphenyl phosphate	5.68		5.000		114	70	130				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	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 sp
	J Analyte detected below quantitation limits		

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 Website: http://www.settek.com

# QC SUMMARY REPORT

WO#: 26040314

21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** 95397

Sample ID: <b>LCSD-95397</b>	SampType: <b>LCSD</b>	TestCode: <b>SVOC_DW(52</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2026</b>	RunNo: <b>233799</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>95397</b>	TestNo: <b>E525</b>	<b>525</b>	Analysis Date: <b>4/7/2026</b>	SeqNo: <b>6133781</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	4.27	0.100	5.000	0	85.4	70	130	4.120	3.58	30	
2-Methylnaphthalene	4.22	0.100	5.000	0	84.4	70	130	4.090	3.13	30	
Acenaphthene	4.37	0.100	5.000	0	87.4	70	130	4.210	3.73	30	
Acenaphthylene	4.34	0.100	5.000	0	86.8	70	130	4.210	3.04	30	
Anthracene	4.65	0.100	5.000	0	93.0	70	130	4.550	2.17	30	
Benz(a)anthracene	4.75	0.100	5.000	0	95.0	70	130	4.530	4.74	30	
Benzo(a)pyrene	4.48	0.100	5.000	0	89.6	70	130	4.290	4.33	30	
Benzo(b)fluoranthene	4.67	0.100	5.000	0	93.4	70	130	4.420	5.50	30	
Benzo(g,h,i)perylene	4.66	0.100	5.000	0	93.2	70	130	4.350	6.88	30	
Benzo(k)fluoranthene	4.89	0.100	5.000	0	97.8	70	130	4.700	3.96	30	
Chrysene	5.25	0.100	5.000	0	105	70	130	5.070	3.49	30	
Dibenz(a,h)anthracene	4.41	0.100	5.000	0	88.2	70	130	4.090	7.53	30	
Fluoranthene	4.82	0.100	5.000	0	96.4	70	130	4.640	3.81	30	
Fluorene	4.54	0.100	5.000	0	90.8	70	130	4.420	2.68	30	
Indeno(1,2,3-cd)pyrene	4.46	1.00	5.000	0	89.2	70	130	4.180	6.48	30	m
Naphthalene	4.12	0.100	5.000	0	82.4	70	130	3.970	3.71	30	
Phenanthrene	4.55	0.100	5.000	0	91.0	70	130	4.510	0.883	30	
Pyrene	4.89	0.100	5.000	0	97.8	70	130	4.720	3.54	30	
Surr: 1,3-Dimethyl-2-nitrobenzene	4.79		5.000		95.8	70	130		0	30	
Surr: Benzo(a)pyrene-d12	5.52		5.000		110	70	130		0	30	
Surr: Triphenyl phosphate	5.62		5.000		112	70	130		0	30	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	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 sp
	J	Analyte detected below quantitation limits				

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 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
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 Website: <http://www.settek.com>

# QC SUMMARY REPORT

WO#: 26040314  
 21-Apr-26

**Client:** Columbiana County Health District  
**Project:** Extended Sampling

**BatchID:** 95397

Sample ID: <b>MB-95397</b>	SampType: <b>MBLK</b>	TestCode: <b>SVOC_DW(52)</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2026</b>	RunNo: <b>233799</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>95397</b>	TestNo: <b>E525</b>	<b>525</b>	Analysis Date: <b>4/7/2026</b>	SeqNo: <b>6133794</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	4.87		5.000		97.4	70	130				
Surr: Benzo(a)pyrene-d12	5.89		5.000		118	70	130				
Surr: Triphenyl phosphate	6.46		5.000		129	70	130				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	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 sp
J	Analyte detected below quantitation limits				

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# QC SUMMARY REPORT

WO#: 26040314

21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** 95470

Sample ID: <b>LCS-95470</b>	SampType: <b>LCS</b>	TestCode: <b>SVOC-MSTR</b>	Units: <b>%Rec</b>	Prep Date: <b>4/7/2026</b>	RunNo: <b>233992</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>95470</b>	TestNo: <b>SW8270</b>	<b>SW3510C</b>	Analysis Date: <b>4/9/2026</b>	SeqNo: <b>6138313</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	0.0289		0.05000		57.8	10	130				
Surr: Phenol-d6	0.0190		0.05000		37.9	10	130				
Surr: Nitrobenzene-d5	0.0354		0.05000		70.9	10	130				
Surr: 2,4,6-Tribromophenol	0.0488		0.05000		97.6	16	151				
Surr: 2-Fluorobiphenyl	0.0406		0.05000		81.2	10	130				
Surr: p-Terphenyl-d14	0.0543		0.05000		109	20	181				

Sample ID: <b>LCSD-95470</b>	SampType: <b>LCSD</b>	TestCode: <b>SVOC-MSTR</b>	Units: <b>%Rec</b>	Prep Date: <b>4/7/2026</b>	RunNo: <b>233992</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>95470</b>	TestNo: <b>SW8270</b>	<b>SW3510C</b>	Analysis Date: <b>4/9/2026</b>	SeqNo: <b>6138314</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	0.0247		0.05000		49.5	10	130		0		
Surr: Phenol-d6	0.0160		0.05000		32.0	10	130		0		
Surr: Nitrobenzene-d5	0.0366		0.05000		73.3	10	130		0		
Surr: 2,4,6-Tribromophenol	0.0481		0.05000		96.1	16	151		0		
Surr: 2-Fluorobiphenyl	0.0387		0.05000		77.3	10	130		0		
Surr: p-Terphenyl-d14	0.0536		0.05000		107	20	181		0		

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	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 sp
	J Analyte detected below quantitation limits		

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 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
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# QC SUMMARY REPORT

WO#: 26040314  
 21-Apr-26

**Client:** Columbiana County Health District  
**Project:** Extended Sampling

**BatchID:** 95470

Sample ID: <b>MB-95470</b>	SampType: <b>MBLK</b>	TestCode: <b>SVOC-MSTR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/7/2026</b>	RunNo: <b>233858</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>95470</b>	TestNo: <b>SW8270</b>	<b>SW3510C</b>	Analysis Date: <b>4/8/2026</b>	SeqNo: <b>6135595</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	0.0244		0.05000		48.7	10	130				
Surr: Phenol-d6	0.0146		0.05000		29.2	10	130				
Surr: Nitrobenzene-d5	0.0444		0.05000		88.8	10	130				
Surr: 2,4,6-Tribromophenol	0.0412		0.05000		82.3	16	151				
Surr: 2-Fluorobiphenyl	0.0433		0.05000		86.6	10	130				
Surr: p-Terphenyl-d14	0.0460		0.05000		92.1	20	181				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceede
	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 sp
	J	Analyte detected below quantitation limits				

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# QC SUMMARY REPORT

WO#: 26040314

21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** R232523

Sample ID: <b>26031296-001ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>232523</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R232523</b>	TestNo: <b>E524.2</b>		Analysis Date: <b>3/19/2026</b>	SeqNo: <b>6107885</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	8.64		10.00		86.4	70	130		0	20	
Surr: 4-Bromofluorobenzene	8.84		10.00		88.4	70	130		0	20	

Sample ID: <b>LCS-R232523</b>	SampType: <b>LCS</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>232523</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R232523</b>	TestNo: <b>E524.2</b>		Analysis Date: <b>3/19/2026</b>	SeqNo: <b>6108629</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	9.62		10.00		96.2	70	130				
Surr: 4-Bromofluorobenzene	9.97		10.00		99.7	70	130				

Sample ID: <b>MB-R232523</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>232523</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R232523</b>	TestNo: <b>E524.2</b>		Analysis Date: <b>3/19/2026</b>	SeqNo: <b>6108631</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	8.94		10.00		89.4	70	130				
Surr: 4-Bromofluorobenzene	9.48		10.00		94.8	70	130				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	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 sp
	J Analyte detected below quantitation limits		

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 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
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# QC SUMMARY REPORT

WO#: 26040314

21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** R233688

Sample ID: <b>LCS-R233688</b>	SampType: <b>LCS</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233688</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233688</b>	TestNo: <b>E524.2</b>	Analysis Date: <b>4/6/2026</b>	SeqNo: <b>6131416</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	5.43	0.500	5.000	0	109	70	130				
1,2,4-Trimethylbenzene	5.25	0.500	5.000	0	105	70	130				
Benzene	5.37	0.500	5.000	0	107	70	130				
Ethylbenzene	5.32	0.500	5.000	0	106	70	130				
m,p-Xylene	10.8	0.500	10.00	0	108	70	130				
Naphthalene	5.01	0.500	5.000	0	100	70	130				
o-Xylene	5.47	0.500	5.000	0	109	70	130				
Toluene	4.88	0.500	5.000	0	97.6	70	130				
Vinyl chloride	4.12	0.500	5.000	0	82.3	70	130				
Surr: 1,2-Dichlorobenzene-d4	10.8		10.00		108	70	130				
Surr: 4-Bromofluorobenzene	10.5		10.00		105	70	130				

Sample ID: <b>MB-R233688</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233688</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233688</b>	TestNo: <b>E524.2</b>	Analysis Date: <b>4/6/2026</b>	SeqNo: <b>6131418</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:**

B	Analyte detected in the associated Method Blank	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 sp
J	Analyte detected below quantitation limits				

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 Cuyahoga Falls, Ohio 44223  
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 Website: <http://www.settek.com>

# QC SUMMARY REPORT

WO#: 26040314

21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** R233688

Sample ID: <b>MB-R233688</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233688</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233688</b>	TestNo: <b>E524.2</b>	Analysis Date: <b>4/6/2026</b>	SeqNo: <b>6131418</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	9.59		10.00		95.9	70	130				
Surr: 4-Bromofluorobenzene	10.0		10.00		100	70	130				

Sample ID: <b>26040310-001CDUP</b>	SampType: <b>DUP</b>	TestCode: <b>VOC_DW(524)</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233688</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233688</b>	TestNo: <b>E524.2</b>	Analysis Date: <b>4/6/2026</b>	SeqNo: <b>6131420</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	9.31		10.00		93.1	70	130		0	20	
Surr: 4-Bromofluorobenzene	9.23		10.00		92.3	70	130		0	20	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	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 sp
	J Analyte detected below quantitation limits		

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 Cuyahoga Falls, Ohio 44223  
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# QC SUMMARY REPORT

WO#: 26040314

21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** R233737

Sample ID: <b>LCS-R233737</b>	SampType: <b>LCS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>233737</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233737</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/6/2026</b>	SeqNo: <b>6132587</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	47.1		50.00		94.1	70	130				
Surr: Dibromofluoromethane	50.4		50.00		101	70	130				
Surr: Toluene-d8	50.0		50.00		100	70	130				

Sample ID: <b>MB-R233737</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>233737</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233737</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/6/2026</b>	SeqNo: <b>6132595</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	50.5		50.00		101	70	130				
Surr: Dibromofluoromethane	50.3		50.00		101	70	130				
Surr: Toluene-d8	49.3		50.00		98.7	70	130				

Sample ID: <b>26040401-001CMS</b>	SampType: <b>MS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>233737</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233737</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/6/2026</b>	SeqNo: <b>6132596</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	251		250.0		100	70	130				
Surr: Dibromofluoromethane	248		250.0		99.2	70	130				
Surr: Toluene-d8	249		250.0		99.6	46.1	154				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	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 sp
	J Analyte detected below quantitation limits		

Original



Alliance Technical Group - Akron  
 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
 TEL: (330) 253-8211 FAX: (330) 253-4489  
 Website: <http://www.settek.com>

# QC SUMMARY REPORT

WO#: 26040314  
 21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** R233737

Sample ID: <b>26040401-001CMSD</b>	SampType: <b>MSD</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>233737</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233737</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/6/2026</b>	SeqNo: <b>6132597</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	247		250.0		99.0	70	130		0	20	
Surr: Dibromofluoromethane	250		250.0		100	70	130		0	20	
Surr: Toluene-d8	244		250.0		97.5	46.1	154		0	20	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceede
	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 sp
	J	Analyte detected below quantitation limits				

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# QC SUMMARY REPORT

WO#: 26040314  
 21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** R233840

Sample ID: <b>LCS-R233840</b>	SampType: <b>LCS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>233840</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233840</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/7/2026</b>	SeqNo: <b>6134830</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	51.6		50.00		103	70	130				
Surr: Dibromofluoromethane	49.7		50.00		99.3	70	130				
Surr: Toluene-d8	49.7		50.00		99.5	70	130				

Sample ID: <b>MB-R233840</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>233840</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233840</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/7/2026</b>	SeqNo: <b>6134833</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	53.9		50.00		108	70	130				
Surr: Dibromofluoromethane	49.7		50.00		99.4	70	130				
Surr: Toluene-d8	51.0		50.00		102	70	130				

Sample ID: <b>26040307-005AMS</b>	SampType: <b>MS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>233840</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233840</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/8/2026</b>	SeqNo: <b>6134904</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	270		250.0		108	70	130				
Surr: Dibromofluoromethane	244		250.0		97.7	70	130				
Surr: Toluene-d8	255		250.0		102	46.1	154				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	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 sp
	J Analyte detected below quantitation limits		

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 Cuyahoga Falls, Ohio 44223  
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# QC SUMMARY REPORT

WO#: 26040314  
 21-Apr-26

**Client:** Columbiana County Health District  
**Project:** Extended Sampling

**BatchID:** R233840

Sample ID: <b>26040307-005AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>%Rec</b>	Prep Date:	RunNo: <b>233840</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233840</b>	TestNo: <b>SW8260</b>		Analysis Date: <b>4/8/2026</b>	SeqNo: <b>6134905</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	269		250.0		108	70	130		0	20	
Surr: Dibromofluoromethane	244		250.0		97.8	70	130		0	20	
Surr: Toluene-d8	252		250.0		101	46.1	154		0	20	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceede
	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 sp
	J	Analyte detected below quantitation limits				

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 Cuyahoga Falls, Ohio 44223  
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# QC SUMMARY REPORT

WO#: 26040314

21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

**BatchID:** R233920

Sample ID: <b>LCS-R233920</b>	SampType: <b>LCS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233920</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233920</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/8/2026</b>	SeqNo: <b>6136831</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	17.5	5.00	20.00	0	87.5	70	190				
n-Butyl acrylate	18.7	5.00	20.00	0	93.4	60	133				
Surr: 4-Bromofluorobenzene	53.6		50.00		107	70	130				
Surr: Dibromofluoromethane	49.3		50.00		98.7	70	130				
Surr: Toluene-d8	50.5		50.00		101	70	130				

Sample ID: <b>MB-R233920</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233920</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233920</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/8/2026</b>	SeqNo: <b>6136834</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	51.3		50.00		103	70	130				
Surr: Dibromofluoromethane	48.6		50.00		97.3	70	130				
Surr: Toluene-d8	49.7		50.00		99.5	70	130				

Sample ID: <b>26040490-001DMS</b>	SampType: <b>MS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233920</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233920</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/8/2026</b>	SeqNo: <b>6136848</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	17.8	5.00	20.00	0	89.0	70	190				
n-Butyl acrylate	20.1	5.00	20.00	0	100	18.8	188				
Surr: 4-Bromofluorobenzene	53.1		50.00		106	70	130				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	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 sp
J	Analyte detected below quantitation limits				

Original



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# QC SUMMARY REPORT

WO#: 26040314  
 21-Apr-26

**Client:** Columbiana County Health District  
**Project:** Extended Sampling

**BatchID:** R233920

Sample ID: <b>26040490-001DMS</b>	SampType: <b>MS</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233920</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233920</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/8/2026</b>	SeqNo: <b>6136848</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	48.9		50.00		97.7	70	130				
Surr: Toluene-d8	50.4		50.00		101	46.1	154				

Sample ID: <b>26040490-001DMSD</b>	SampType: <b>MSD</b>	TestCode: <b>VOC-MSTR_</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>233920</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>R233920</b>	TestNo: <b>SW8260</b>	Analysis Date: <b>4/8/2026</b>	SeqNo: <b>6136849</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Ethylhexyl acrylate	18.1	5.00	20.00	0	90.7	70	190	17.81	1.81	20	
n-Butyl acrylate	19.8	5.00	20.00	0	99.0	18.8	188	20.10	1.46	20	
Surr: 4-Bromofluorobenzene	52.7		50.00		105	70	130		0	20	
Surr: Dibromofluoromethane	49.5		50.00		98.9	70	130		0	20	
Surr: Toluene-d8	50.8		50.00		102	46.1	154		0	20	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceede
	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 sp
	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.**



Alliance Technical Group - Akron  
 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
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## DATES REPORT

WO#: 26040314  
 21-Apr-26

**Client:** Columbiana County Health District

**Project:** Extended Sampling

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
26040314-001A	ES-082	3/31/2026 2:30:00 PM	Drinking Water	Synthetic Organic Compounds by GC/ (EPA 525.3)		4/6/2026 9:50:00 AM	4/7/2026 8:50:00 PM
26040314-001B				SVOC by 8270E		4/7/2026 5:20:00 PM	4/10/2026 6:29:00 AM
26040314-001C				VOC-GC/MS (524.2)			4/6/2026 5:39:00 PM
26040314-001D				VOC by GC/MS (8260D)			4/8/2026 2:29:00 PM
				VOC by GC/MS (8260D)			4/8/2026 12:01:00 AM
26040314-002A	FB-082	3/31/2026 2:20:00 PM		Synthetic Organic Compounds by GC/ (EPA 525.3)		4/6/2026 9:50:00 AM	4/7/2026 9:23:00 PM
26040314-002B				SVOC by 8270E		4/7/2026 5:20:00 PM	4/10/2026 7:01:00 AM
26040314-002C				VOC-GC/MS (524.2)			4/6/2026 6:07:00 PM
26040314-002D				VOC by GC/MS (8260D)			4/8/2026 2:56:00 PM
				VOC by GC/MS (8260D)			4/8/2026 12:28:00 AM
26040314-003A	Trip Blank			VOC-GC/MS (524.2)			4/6/2026 6:35:00 PM
26040314-003B				VOC by GC/MS (8260D)			4/8/2026 3:22:00 PM
				VOC by GC/MS (8260D)			4/8/2026 12:54:00 AM

Original



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Analysis Request / Chain of Custody

https://www.alliancecorp.com/services/environmental  
https://settek.com/

LAB NO:	For Alliance Technical Group, LLC-Akron use only <b>26040310 UR</b>
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Client Name <b>CCHD</b>		Project Identification <b>Extended Sampling Program</b>		Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comment)	Number of Containers per Sample	Analytical Parameters and Methods Requested																
Client Street Address <b>7360 SR 45</b>		Client Phone <b>330-424-0272</b>							Report To <b>CCHD</b>	Quote Number															
City <b>Lisbon</b> State <b>OH</b> Zip <b>44432</b>		Contact Person <b>Kevin Summerville</b>							PWS ID	Facility ID															
Client Email Address <b>ksummerville@columbiana-health.org</b>		Reporting/Accreditation Requirements: <input type="checkbox"/> Ohio VAP <input type="checkbox"/> Drinking Water Compliance <input type="checkbox"/> Ohio EPA Pb, Cu <input type="checkbox"/> BOSTR							Other Compliance (List State/ Program):																
Signature <i>Emma Gray</i>		Print Name <b>Emma Gray</b>		For DW, results to be reported to state by date, if yes, include day and month <input type="checkbox"/> Y <input type="checkbox"/> N																					
#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix	Preservation	Number of Containers per Sample	524	8270	525	8260	For DW Only: Special Compliance or Routine (S/R)											
	ES-082	Well Spigot	3/31/26	14:30	✓		DW	8	10	X	X	X	X												
	FB-082	FB	3/31/26	14:20	✓		DW	8	10	X	X	X	X												
Relinquished by: <i>Kevin Summerville</i>		Date <b>4/3/26</b>	Time <b>8:30</b>	Received by: <i>[Signature]</i>	Date <b>4/3</b>	Time <b>8:30</b>	Notes / Comments: 524: HCL, 8260: HCL, 525: Sodium Sulfite																		
Received at ATG-Akron by: <i>[Signature]</i>		Date <b>4/3/26</b>	Time <b>12:05</b>	Carrier <b>ATG</b>	RUSH Requested: <u>    </u> Day(s) <small>Please provide advanced notice of rush requests whenever possible.</small>		Receipt Temperature: <b>3.0</b> °C		Cooler Seals? <b>INTACT</b>	Sample Seals? <b>INTACT</b>	Ice Present? <b>YES</b>	NOT INTACT <b>NOT INTACT</b>	N/A <b>N/A</b>	N/A <b>N/A</b>											


3.1-0.1=3.0      C.S. INTACT 4/3/26

## Sample Log-In Check List

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

Work Order Number: **26040314**

RcptNo: **1**

Logged by:	Nick Rigby	4/3/2026 12:05:00 PM	
Completed By:	Nick Rigby	4/3/2026 4:19:35 PM	
Reviewed By:	Holly Florea	4/6/2026 9:58:08 AM	

**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: 4/3/2026      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	3.1	Good	Yes		4/3/2026	