



Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

October 11, 2024

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

Order No.: 24100646

Dear Kevin Summerville:

Summit Environmental Technologies, Inc. received 6 sample(s) on 6/8/2024 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,

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

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, 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#: **24100646**
11-Oct-24

CLIENT: Columbiana County Health District
Project: EP

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24100646-001	PW-10 Field Blank		10/7/2024 2:20:00 PM	10/8/2024 1:20:00 PM	Drinking Water
24100646-001	PW-10 Field Blank		10/7/2024 2:20:00 PM	10/8/2024 1:20:00 PM	Drinking Water
24100646-001	PW-10 Field Blank		10/7/2024 2:20:00 PM	10/8/2024 1:20:00 PM	Drinking Water
24100646-001	PW-10 Field Blank		10/7/2024 2:20:00 PM	10/8/2024 1:20:00 PM	Drinking Water
24100646-002	PW-10		10/7/2024 2:40:00 PM	10/8/2024 1:20:00 PM	Drinking Water
24100646-002	PW-10		10/7/2024 2:40:00 PM	10/8/2024 1:20:00 PM	Drinking Water
24100646-002	PW-10		10/7/2024 2:40:00 PM	10/8/2024 1:20:00 PM	Drinking Water
24100646-002	PW-10		10/7/2024 2:40:00 PM	10/8/2024 1:20:00 PM	Drinking Water
24100646-003	PW-320		10/7/2024 9:55:00 AM	10/8/2024 1:20:00 PM	Drinking Water
24100646-003	PW-320		10/7/2024 9:55:00 AM	10/8/2024 1:20:00 PM	Drinking Water
24100646-003	PW-320		10/7/2024 9:55:00 AM	10/8/2024 1:20:00 PM	Drinking Water
24100646-003	PW-320		10/7/2024 9:55:00 AM	10/8/2024 1:20:00 PM	Drinking Water
24100646-004	Dup		10/7/2024	10/8/2024 1:20:00 PM	Drinking Water
24100646-004	Dup		10/7/2024	10/8/2024 1:20:00 PM	Drinking Water
24100646-004	Dup		10/7/2024	10/8/2024 1:20:00 PM	Drinking Water
24100646-004	Dup		10/7/2024	10/8/2024 1:20:00 PM	Drinking Water
24100646-005	Trip Blank 1			6/8/2024 1:20:00 PM	Drinking Water
24100646-005	Trip Blank 1			6/8/2024 1:20:00 PM	Drinking Water
24100646-006	Trip Blank 2			6/8/2024 1:20:00 PM	Drinking Water
24100646-006	Trip Blank 2			6/8/2024 1:20:00 PM	Drinking Water



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

Summit Environmental Technologies, Inc.
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Case Narrative

WO#: 24100646
Date: 10/11/2024

CLIENT: Columbiana County Health District

Project: EP

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 Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., 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 Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. 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. Summit Environmental Technologies, Inc. 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:

24100646: The lab does not routinely spike for 2-Butoxyethanol; this compound is included in the instrument initial calibration and initial calibration verification.

Original



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District **Collection Date:** 10/7/2024 2:20:00 PM
Project: EP
Lab ID: 24100646-001 **Matrix:** DRINKING WATER
Client Sample ID: PW-10 Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)				E525	525	Analyst: JDB
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
Acenaphthylene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Anthracene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Benz(a)anthracene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Benzo(a)pyrene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Benzo(b)fluoranthene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Benzo(g,h,i)perylene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Benzo(k)fluoranthene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Chrysene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Dibenz(a,h)anthracene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Fluorene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.980		µg/L	1	10/10/2024 10:53:00 AM
Phenanthrene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Pyrene	ND	0.0980		µg/L	1	10/10/2024 10:53:00 AM
Surr: 1,3-Dimethyl-2-nitrobenzene	88.4	70 - 130		%Rec	1	10/10/2024 10:53:00 AM
Surr: Benzo(a)pyrene-d12	98.2	70 - 130		%Rec	1	10/10/2024 10:53:00 AM
Surr: Triphenyl phosphite	118	70 - 130		%Rec	1	10/10/2024 10:53:00 AM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: SAM
SVOC BY 8270E						
1-Methylnaphthalene	ND	0.980		µg/L	1	10/9/2024 3:48:00 PM
2-Butoxyethanol	ND	29.4		µg/L	1	10/9/2024 3:48:00 PM
2-Methylnaphthalene	ND	0.980		µg/L	1	10/9/2024 3:48:00 PM
Acenaphthene	ND	0.980		µg/L	1	10/9/2024 3:48:00 PM
Fluoranthene	ND	0.980		µg/L	1	10/9/2024 3:48:00 PM
Surr: Nitrobenzene-d5	92.4	10 - 130		%Rec	1	10/9/2024 3:48:00 PM
Surr: 2-Fluorobiphenyl	84.8	10 - 130		%Rec	1	10/9/2024 3:48:00 PM
Surr: p-Terphenyl-d14	110	20 - 181		%Rec	1	10/9/2024 3:48:00 PM
DRINKING WATER VOCs (EPA 524.2)				E524.2		Analyst: RD
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	10/8/2024 10:31:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	10/8/2024 10:31:00 PM
Benzene	ND	0.500		µg/L	1	10/8/2024 10:31:00 PM
Ethylbenzene	ND	0.500		µg/L	1	10/8/2024 10:31:00 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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District **Collection Date:** 10/7/2024 2:20:00 PM
Project: EP
Lab ID: 24100646-001 **Matrix:** DRINKING WATER
Client Sample ID: PW-10 Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: RD	
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	10/8/2024 10:31:00 PM
Naphthalene	ND	0.500		µg/L	1	10/8/2024 10:31:00 PM
o-Xylene	ND	0.500		µg/L	1	10/8/2024 10:31:00 PM
Toluene	ND	0.500		µg/L	1	10/8/2024 10:31:00 PM
Vinyl chloride	ND	0.500		µg/L	1	10/8/2024 10:31:00 PM
Surr: 1,2-Dichlorobenzene-d4	89.3	70 - 130		%Rec	1	10/8/2024 10:31:00 PM
Surr: 4-Bromofluorobenzene	92.9	70 - 130		%Rec	1	10/8/2024 10:31:00 PM
VOC ANALYSIS (8260D)				SW8260	Analyst: ALS	
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	10/8/2024 6:47:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	10/8/2024 6:47:00 PM
Surr: 4-Bromofluorobenzene	99.4	70 - 130		%Rec	1	10/8/2024 6:47:00 PM
Surr: Dibromofluoromethane	98.9	70 - 130		%Rec	1	10/8/2024 6:47:00 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	10/8/2024 6:47:00 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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District **Collection Date:** 10/7/2024 2:40:00 PM
Project: EP
Lab ID: 24100646-002 **Matrix:** DRINKING WATER
Client Sample ID: PW-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)				E525	525	Analyst: JDB
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
Acenaphthylene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Anthracene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Benz(a)anthracene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Benzo(a)pyrene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Benzo(b)fluoranthene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Benzo(g,h,i)perylene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Benzo(k)fluoranthene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Chrysene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Dibenz(a,h)anthracene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Fluorene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.980		µg/L	1	10/10/2024 11:27:00 AM
Phenanthrene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Pyrene	ND	0.0980		µg/L	1	10/10/2024 11:27:00 AM
Surr: 1,3-Dimethyl-2-nitrobenzene	90.6	70 - 130		%Rec	1	10/10/2024 11:27:00 AM
Surr: Benzo(a)pyrene-d12	102	70 - 130		%Rec	1	10/10/2024 11:27:00 AM
Surr: Triphenyl phosphate	113	70 - 130		%Rec	1	10/10/2024 11:27:00 AM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: SAM
SVOC BY 8270E						
1-Methylnaphthalene	ND	0.962		µg/L	1	10/9/2024 4:20:00 PM
2-Butoxyethanol	ND	28.8		µg/L	1	10/9/2024 4:20:00 PM
2-Methylnaphthalene	ND	0.962		µg/L	1	10/9/2024 4:20:00 PM
Acenaphthene	ND	0.962		µg/L	1	10/9/2024 4:20:00 PM
Fluoranthene	ND	0.962		µg/L	1	10/9/2024 4:20:00 PM
Surr: Nitrobenzene-d5	77.2	10 - 130		%Rec	1	10/9/2024 4:20:00 PM
Surr: 2-Fluorobiphenyl	71.8	10 - 130		%Rec	1	10/9/2024 4:20:00 PM
Surr: p-Terphenyl-d14	92.5	20 - 181		%Rec	1	10/9/2024 4:20:00 PM
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: RD
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	10/8/2024 11:02:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	10/8/2024 11:02:00 PM
Benzene	ND	0.500		µg/L	1	10/8/2024 11:02:00 PM
Ethylbenzene	ND	0.500		µg/L	1	10/8/2024 11:02:00 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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District **Collection Date:** 10/7/2024 2:40:00 PM
Project: EP
Lab ID: 24100646-002 **Matrix:** DRINKING WATER
Client Sample ID: PW-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: RD	
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	10/8/2024 11:02:00 PM
Naphthalene	ND	0.500		µg/L	1	10/8/2024 11:02:00 PM
o-Xylene	ND	0.500		µg/L	1	10/8/2024 11:02:00 PM
Toluene	ND	0.500		µg/L	1	10/8/2024 11:02:00 PM
Vinyl chloride	ND	0.500		µg/L	1	10/8/2024 11:02:00 PM
Surr: 1,2-Dichlorobenzene-d4	91.2	70 - 130		%Rec	1	10/8/2024 11:02:00 PM
Surr: 4-Bromofluorobenzene	96.3	70 - 130		%Rec	1	10/8/2024 11:02:00 PM
VOC ANALYSIS (8260D)				SW8260	Analyst: ALS	
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	10/8/2024 5:57:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	10/8/2024 5:57:00 PM
Surr: 4-Bromofluorobenzene	97.8	70 - 130		%Rec	1	10/8/2024 5:57:00 PM
Surr: Dibromofluoromethane	102	70 - 130		%Rec	1	10/8/2024 5:57:00 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	10/8/2024 5:57:00 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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District

Collection Date: 10/7/2024 9:55:00 AM

Project: EP

Lab ID: 24100646-003

Matrix: DRINKING WATER

Client Sample ID: PW-320

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)					E525	
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					525	Analyst: JDB
Acenaphthylene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Anthracene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Benz(a)anthracene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Benzo(a)pyrene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Benzo(b)fluoranthene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Benzo(g,h,i)perylene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Benzo(k)fluoranthene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Chrysene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Dibenz(a,h)anthracene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Fluorene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.980		µg/L	1	10/10/2024 12:00:00 PM
Phenanthrene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Pyrene	ND	0.0980		µg/L	1	10/10/2024 12:00:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	94.0	70 - 130		%Rec	1	10/10/2024 12:00:00 PM
Surr: Benzo(a)pyrene-d12	98.6	70 - 130		%Rec	1	10/10/2024 12:00:00 PM
Surr: Triphenyl phosphate	115	70 - 130		%Rec	1	10/10/2024 12:00:00 PM
SVOC BY SW8270E					SW8270	
SVOC BY 8270E					SW3510C	Analyst: SAM
1-Methylnaphthalene	ND	0.962		µg/L	1	10/9/2024 4:51:00 PM
2-Butoxyethanol	ND	28.8		µg/L	1	10/9/2024 4:51:00 PM
2-Methylnaphthalene	ND	0.962		µg/L	1	10/9/2024 4:51:00 PM
Acenaphthene	ND	0.962		µg/L	1	10/9/2024 4:51:00 PM
Fluoranthene	ND	0.962		µg/L	1	10/9/2024 4:51:00 PM
Surr: Nitrobenzene-d5	93.3	10 - 130		%Rec	1	10/9/2024 4:51:00 PM
Surr: 2-Fluorobiphenyl	89.0	10 - 130		%Rec	1	10/9/2024 4:51:00 PM
Surr: p-Terphenyl-d14	116	20 - 181		%Rec	1	10/9/2024 4:51:00 PM
DRINKING WATER VOCS (EPA 524.2)					E524.2	
VOC-GC/MS (524.2)						Analyst: RD
1,1-Dichloropropene	ND	0.500		µg/L	1	10/8/2024 11:33:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	10/8/2024 11:33:00 PM
Benzene	ND	0.500		µg/L	1	10/8/2024 11:33:00 PM
Ethylbenzene	ND	0.500		µg/L	1	10/8/2024 11:33:00 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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District

Collection Date: 10/7/2024 9:55:00 AM

Project: EP

Lab ID: 24100646-003

Matrix: DRINKING WATER

Client Sample ID: PW-320

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: RD	
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	10/8/2024 11:33:00 PM
Naphthalene	ND	0.500		µg/L	1	10/8/2024 11:33:00 PM
o-Xylene	ND	0.500		µg/L	1	10/8/2024 11:33:00 PM
Toluene	ND	0.500		µg/L	1	10/8/2024 11:33:00 PM
Vinyl chloride	ND	0.500		µg/L	1	10/8/2024 11:33:00 PM
Surr: 1,2-Dichlorobenzene-d4	90.5	70 - 130		%Rec	1	10/8/2024 11:33:00 PM
Surr: 4-Bromofluorobenzene	94.2	70 - 130		%Rec	1	10/8/2024 11:33:00 PM
VOC ANALYSIS (8260D)				SW8260	Analyst: ALS	
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	10/8/2024 8:23:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	10/8/2024 8:23:00 PM
Surr: 4-Bromofluorobenzene	97.5	70 - 130		%Rec	1	10/8/2024 8:23:00 PM
Surr: Dibromofluoromethane	104	70 - 130		%Rec	1	10/8/2024 8:23:00 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	10/8/2024 8:23:00 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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District

Collection Date: 10/7/2024

Project: EP

Lab ID: 24100646-004

Matrix: DRINKING WATER

Client Sample ID: Dup

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)				E525	525	Analyst: JDB
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
Acenaphthylene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Anthracene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Benz(a)anthracene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Benzo(a)pyrene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Benzo(b)fluoranthene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Benzo(g,h,i)perylene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Benzo(k)fluoranthene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Chrysene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Dibenz(a,h)anthracene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Fluorene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.980		µg/L	1	10/10/2024 12:33:00 PM
Phenanthrene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Pyrene	ND	0.0980		µg/L	1	10/10/2024 12:33:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	92.4	70 - 130		%Rec	1	10/10/2024 12:33:00 PM
Surr: Benzo(a)pyrene-d12	105	70 - 130		%Rec	1	10/10/2024 12:33:00 PM
Surr: Triphenyl phosphate	119	70 - 130		%Rec	1	10/10/2024 12:33:00 PM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: SAM
SVOC BY 8270E						
1-Methylnaphthalene	ND	0.962		µg/L	1	10/9/2024 5:23:00 PM
2-Butoxyethanol	ND	28.8		µg/L	1	10/9/2024 5:23:00 PM
2-Methylnaphthalene	ND	0.962		µg/L	1	10/9/2024 5:23:00 PM
Acenaphthene	ND	0.962		µg/L	1	10/9/2024 5:23:00 PM
Fluoranthene	ND	0.962		µg/L	1	10/9/2024 5:23:00 PM
Surr: Nitrobenzene-d5	69.9	10 - 130		%Rec	1	10/9/2024 5:23:00 PM
Surr: 2-Fluorobiphenyl	66.6	10 - 130		%Rec	1	10/9/2024 5:23:00 PM
Surr: p-Terphenyl-d14	88.1	20 - 181		%Rec	1	10/9/2024 5:23:00 PM
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: RD
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM
Benzene	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM
Ethylbenzene	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM

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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District

Collection Date: 10/7/2024

Project: EP

Lab ID: 24100646-004

Matrix: DRINKING WATER

Client Sample ID: Dup

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: RD	
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM
Naphthalene	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM
o-Xylene	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM
Toluene	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM
Vinyl chloride	ND	0.500		µg/L	1	10/9/2024 12:05:00 AM
Surr: 1,2-Dichlorobenzene-d4	95.5	70 - 130		%Rec	1	10/9/2024 12:05:00 AM
Surr: 4-Bromofluorobenzene	98.1	70 - 130		%Rec	1	10/9/2024 12:05:00 AM
VOC ANALYSIS (8260D)				SW8260	Analyst: ALS	
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	10/8/2024 8:47:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	10/8/2024 8:47:00 PM
Surr: 4-Bromofluorobenzene	98.7	70 - 130		%Rec	1	10/8/2024 8:47:00 PM
Surr: Dibromofluoromethane	103	70 - 130		%Rec	1	10/8/2024 8:47:00 PM
Surr: Toluene-d8	103	70 - 130		%Rec	1	10/8/2024 8:47:00 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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District

Collection Date:

Project: EP

Lab ID: 24100646-005

Matrix: DRINKING WATER

Client Sample ID: Trip Blank 1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: RD	
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
Benzene	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
Ethylbenzene	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
m,p-Xylene	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
Naphthalene	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
o-Xylene	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
Toluene	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
Vinyl chloride	ND	0.500		µg/L	1	10/9/2024 12:36:00 AM
Surr: 1,2-Dichlorobenzene-d4	105	70 - 130		%Rec	1	10/9/2024 12:36:00 AM
Surr: 4-Bromofluorobenzene	108	70 - 130		%Rec	1	10/9/2024 12:36:00 AM
VOC ANALYSIS (8260D)				SW8260	Analyst: ALS	
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	10/8/2024 9:11:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	10/8/2024 9:11:00 PM
Surr: 4-Bromofluorobenzene	93.9	70 - 130		%Rec	1	10/8/2024 9:11:00 PM
Surr: Dibromofluoromethane	103	70 - 130		%Rec	1	10/8/2024 9:11:00 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	10/8/2024 9:11:00 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		



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Analytical Report

(consolidated)

WO#: 24100646

Date Reported: 10/11/2024

CLIENT: Columbiana County Health District

Collection Date:

Project: EP

Lab ID: 24100646-006

Matrix: DRINKING WATER

Client Sample ID: Trip Blank 2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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DRINKING WATER VOCS (EPA 524.2)
VOC-GC/MS (524.2)

E524.2

Analyst: **RD**

1,1-Dichloropropene	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
Benzene	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
Ethylbenzene	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
m,p-Xylene	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
Naphthalene	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
o-Xylene	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
Toluene	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
Vinyl chloride	ND	0.500		µg/L	1	10/9/2024 1:08:00 AM
Surr: 1,2-Dichlorobenzene-d4	89.3	70 - 130		%Rec	1	10/9/2024 1:08:00 AM
Surr: 4-Bromofluorobenzene	95.6	70 - 130		%Rec	1	10/9/2024 1:08:00 AM

VOC ANALYSIS (8260D)
VOC BY GC/MS (8260D)

SW8260

Analyst: **ALS**

2-Ethylhexyl acrylate	ND	5.00		µg/L	1	10/8/2024 9:35:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	10/8/2024 9:35:00 PM
Surr: 4-Bromofluorobenzene	97.5	70 - 130		%Rec	1	10/8/2024 9:35:00 PM
Surr: Dibromofluoromethane	103	70 - 130		%Rec	1	10/8/2024 9:35:00 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	10/8/2024 9:35:00 PM

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



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QC SUMMARY REPORT

WO#: 24100646
 11-Oct-24

Client: Columbiana County Health District
Project: EP

BatchID: 79249

Sample ID: MB-79249	SampType: MBLK	TestCode: SVOC_DW(52 Units: µg/L	Prep Date: 10/8/2024	RunNo: 194816							
Client ID: PBW	Batch ID: 79249	TestNo: E525 525	Analysis Date: 10/9/2024	SeqNo: 5272468							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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									
Fluorene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	1.00									
Phenanthrene	ND	0.100									
Pyrene	ND	0.100									
Surr: 1,3-Dimethyl-2-nitrobenzene	3.85		5.000		77.0	70	130				
Surr: Benzo(a)pyrene-d12	4.51		5.000		90.2	70	130				
Surr: Triphenyl phosphate	4.93		5.000		98.6	70	130				

Sample ID: LCS-79249	SampType: LCS	TestCode: SVOC_DW(52 Units: µg/L	Prep Date: 10/8/2024	RunNo: 194816							
Client ID: LCSW	Batch ID: 79249	TestNo: E525 525	Analysis Date: 10/9/2024	SeqNo: 5272470							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	4.98	0.100	5.000	0	99.6	70	130				
Anthracene	5.20	0.100	5.000	0	104	70	130				
Benz(a)anthracene	5.61	0.100	5.000	0	112	70	130				
Benzo(a)pyrene	4.86	0.100	5.000	0	97.2	70	130				

Qualifiers:
 B Analyte detected in the associated Method Blank
 M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range
 ND Not Detected
 RL Reporting Detection Limit

H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24100646

11-Oct-24

Client: Columbiana County Health District

Project: EP

BatchID: 79249

Sample ID: LCS-79249	SampType: LCS	TestCode: SVOC_DW(52 Units: µg/L	Prep Date: 10/8/2024	RunNo: 194816							
Client ID: LCSW	Batch ID: 79249	TestNo: E525 525	Analysis Date: 10/9/2024	SeqNo: 5272470							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	5.59	0.100	5.000	0	112	70	130				
Benzo(g,h,i)perylene	5.52	0.100	5.000	0	110	70	130				
Benzo(k)fluoranthene	5.29	0.100	5.000	0	106	70	130				
Chrysene	5.25	0.100	5.000	0	105	70	130				
Dibenz(a,h)anthracene	5.47	0.100	5.000	0	109	70	130				
Fluorene	5.25	0.100	5.000	0	105	70	130				
Indeno(1,2,3-cd)pyrene	5.29	1.00	5.000	0	106	70	130				
Phenanthrene	5.35	0.100	5.000	0	107	70	130				
Pyrene	5.68	0.100	5.000	0	114	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	4.00		5.000		80.0	70	130				
Surr: Benzo(a)pyrene-d12	4.85		5.000		97.0	70	130				
Surr: Triphenyl phosphate	4.80		5.000		96.0	70	130				

Sample ID: LCSD-79249	SampType: LCSD	TestCode: SVOC_DW(52 Units: µg/L	Prep Date: 10/8/2024	RunNo: 194816							
Client ID: LCSS02	Batch ID: 79249	TestNo: E525 525	Analysis Date: 10/9/2024	SeqNo: 5272472							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	5.21	0.100	5.000	0	104	70	130	4.980	4.51	30	
Anthracene	5.44	0.100	5.000	0	109	70	130	5.200	4.51	30	
Benz(a)anthracene	5.80	0.100	5.000	0	116	70	130	5.610	3.33	30	
Benzo(a)pyrene	5.03	0.100	5.000	0	101	70	130	4.860	3.44	30	
Benzo(b)fluoranthene	5.66	0.100	5.000	0	113	70	130	5.590	1.24	30	
Benzo(g,h,i)perylene	5.68	0.100	5.000	0	114	70	130	5.520	2.86	30	
Benzo(k)fluoranthene	5.51	0.100	5.000	0	110	70	130	5.290	4.07	30	
Chrysene	5.45	0.100	5.000	0	109	70	130	5.250	3.74	30	

Qualifiers:
 B Analyte detected in the associated Method Blank
 M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range
 ND Not Detected
 RL Reporting Detection Limit

H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **24100646**
11-Oct-24

Client: Columbiana County Health District
Project: EP

BatchID: 79249

Sample ID: LCSD-79249	SampType: LCSD	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 10/8/2024	RunNo: 194816						
Client ID: LCSS02	Batch ID: 79249	TestNo: E525	525	Analysis Date: 10/9/2024	SeqNo: 5272472						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	5.56	0.100	5.000	0	111	70	130	5.470	1.63	30	
Fluorene	5.54	0.100	5.000	0	111	70	130	5.250	5.38	30	
Indeno(1,2,3-cd)pyrene	5.44	1.00	5.000	0	109	70	130	5.290	2.80	30	
Phenanthrene	5.59	0.100	5.000	0	112	70	130	5.350	4.39	30	
Pyrene	5.87	0.100	5.000	0	117	70	130	5.680	3.29	30	
Surr: 1,3-Dimethyl-2-nitrobenz...	4.01		5.000		80.2	70	130		0	30	
Surr: Benzo(a)pyrene-d12	5.03		5.000		101	70	130		0	30	
Surr: Triphenyl phosphate	5.04		5.000		101	70	130		0	30	

Qualifiers:
 B Analyte detected in the associated Method Blank
 M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range
 ND Not Detected
 RL Reporting Detection Limit

H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24100646

11-Oct-24

Client: Columbiana County Health District

Project: EP

BatchID: 79265

Sample ID: MB-79265	SampType: MBLK	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 10/9/2024	RunNo: 194852						
Client ID: PBW	Batch ID: 79265	TestNo: SW8270	SW3510C	Analysis Date: 10/9/2024	SeqNo: 5273396						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butoxyethanol	ND	30.0		0	0						
1-Methylnaphthalene	ND	5.00		0	0						
2-Methylnaphthalene	ND	5.00		0	0						
Acenaphthene	ND	5.00		0	0						
Fluoranthene	ND	5.00		0	0						
Surr: 2-Fluorophenol	0.0321		0.05000		64.1	10	130				
Surr: Phenol-d6	0.0199		0.05000		39.7	10	130				
Surr: Nitrobenzene-d5	0.0476		0.05000		95.1	10	130				
Surr: 2,4,6-Tribromophenol	0.0537		0.05000		107	19	151				
Surr: 2-Fluorobiphenyl	0.0439		0.05000		87.9	10	130				
Surr: p-Terphenyl-d14	0.0581		0.05000		116	20	181				

Sample ID: LCS-79265	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 10/9/2024	RunNo: 194852						
Client ID: LCSW	Batch ID: 79265	TestNo: SW8270	SW3510C	Analysis Date: 10/9/2024	SeqNo: 5273397						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butoxyethanol	ND	30.0		0	0	70	130				
1-Methylnaphthalene	36.5	5.00	40.0	0	91.3	33	130				
2-Methylnaphthalene	36.6	5.00	40.0	0	91.6	22	146				
Acenaphthene	36.3	5.00	40.0	0	90.7	44	130				
Fluoranthene	38.5	5.00	40.0	0	96.2	59	142				
Surr: 2-Fluorophenol	0.0285		0.05000		57.0	10	130				
Surr: Phenol-d6	0.0208		0.05000		41.7	10	130				
Surr: Nitrobenzene-d5	0.0429		0.05000		85.8	10	130				
Surr: 2,4,6-Tribromophenol	0.0527		0.05000		105	19	151				

Qualifiers:
 B Analyte detected in the associated Method Blank
 M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range
 ND Not Detected
 RL Reporting Detection Limit

H Holding times for preparation or analysis exceeds
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24100646

11-Oct-24

Client: Columbiana County Health District
Project: EP

BatchID: 79265

Sample ID: LCS-79265	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 10/9/2024	RunNo: 194852						
Client ID: LCSW	Batch ID: 79265	TestNo: SW8270	SW3510C	Analysis Date: 10/9/2024	SeqNo: 5273397						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2-Fluorobiphenyl	0.0412		0.05000		82.4	10	130				
Surr: p-Terphenyl-d14	0.0441		0.05000		88.3	20	181				

Sample ID: LCSD-79265	SampType: LCSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 10/9/2024	RunNo: 194852						
Client ID: LCSS02	Batch ID: 79265	TestNo: SW8270	SW3510C	Analysis Date: 10/9/2024	SeqNo: 5273398						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butoxyethanol	ND	30.0		0	0	70	130	0	0	30	
1-Methylnaphthalene	38.4	5.00	40.0	0	96.0	33	130	36.5	4.97	30	
2-Methylnaphthalene	38.7	5.00	40.0	0	96.7	22	146	36.6	5.42	30	
Acenaphthene	38.3	5.00	40.0	0	95.8	44	130	36.3	5.47	30	
Fluoranthene	40.3	5.00	40.0	0	101	59	142	38.5	4.65	30	
Surr: 2-Fluorophenol	0.0291		0.05000		58.1	10	130		0		
Surr: Phenol-d6	0.0217		0.05000		43.5	10	130		0		
Surr: Nitrobenzene-d5	0.0449		0.05000		89.8	10	130		0		
Surr: 2,4,6-Tribromophenol	0.0576		0.05000		115	19	151		0		
Surr: 2-Fluorobiphenyl	0.0435		0.05000		87.0	10	130		0		
Surr: p-Terphenyl-d14	0.0476		0.05000		95.3	20	181		0		

Qualifiers:
 B Analyte detected in the associated Method Blank
 M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range
 ND Not Detected
 RL Reporting Detection Limit

H Holding times for preparation or analysis exceeds
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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

QC SUMMARY REPORT

WO#: 24100646

11-Oct-24

Client: Columbiana County Health District

Project: EP

BatchID: R194764

Sample ID: LCS-R194764	SampType: LCS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 194764						
Client ID: LCSW	Batch ID: R194764	TestNo: SW8260	Analysis Date: 10/8/2024	SeqNo: 5271236							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	16.2	5.00	20.00	0	81.2	70	130				
n-Butyl acrylate	17.6	5.00	20.00	0	87.9	70	130				
Surr: 4-Bromofluorobenzene	50.9		50.00		102	70	130				
Surr: Dibromofluoromethane	51.6		50.00		103	70	130				
Surr: Toluene-d8	51.8		50.00		104	70	130				

Sample ID: MB-R194764	SampType: MBLK	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 194764						
Client ID: PBW	Batch ID: R194764	TestNo: SW8260	Analysis Date: 10/8/2024	SeqNo: 5271240							
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	50.1		50.00		100	70	130				
Surr: Dibromofluoromethane	50.8		50.00		102	70	130				
Surr: Toluene-d8	51.3		50.00		103	70	130				

Sample ID: 24100646-002DMS	SampType: MS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 194764						
Client ID: PW-10	Batch ID: R194764	TestNo: SW8260	Analysis Date: 10/8/2024	SeqNo: 5271244							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	156	50.0	200.0	0	77.8	70	130				
n-Butyl acrylate	169	50.0	200.0	0	84.5	70	130				
Surr: 4-Bromofluorobenzene	508		500.0		102	70	130				

Qualifiers:
 B Analyte detected in the associated Method Blank
 M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range
 ND Not Detected
 RL Reporting Detection Limit

H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24100646

11-Oct-24

Client: Columbiana County Health District

Project: EP

BatchID: R194764

Sample ID: 24100646-002DMS	SampType: MS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 194764						
Client ID: PW-10	Batch ID: R194764	TestNo: SW8260	Analysis Date: 10/8/2024	SeqNo: 5271244							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	518		500.0		104	70	130				
Surr: Toluene-d8	516		500.0		103	46.1	154				

Sample ID: 24100646-002DMSD	SampType: MSD	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 194764						
Client ID: PW-10	Batch ID: R194764	TestNo: SW8260	Analysis Date: 10/8/2024	SeqNo: 5271245							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	158	50.0	200.0	0	78.9	70	130	155.7	1.39	20	
n-Butyl acrylate	174	50.0	200.0	0	86.8	70	130	169.0	2.67	20	
Surr: 4-Bromofluorobenzene	513		500.0		103	70	130		0	20	
Surr: Dibromofluoromethane	498		500.0		99.7	70	130		0	20	
Surr: Toluene-d8	512		500.0		102	46.1	154		0	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- W Sample container temperature is out of limit as specified at testcode

- E Value above quantitation range
- ND Not Detected
- RL Reporting Detection Limit

- H Holding times for preparation or analysis exceeded
- PL Permit Limit
- S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24100646

11-Oct-24

Client: Columbiana County Health District

Project: EP

BatchID: R194804

Sample ID: LCS	SampType: LCS	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 194804							
Client ID: LCSW	Batch ID: R194804	TestNo: E524.2	Analysis Date: 10/8/2024	SeqNo: 5272281							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	5.03	0.500	5.000	0	101	70	130				
1,2,4-Trimethylbenzene	5.13	0.500	5.000	0	103	70	130				
Benzene	4.99	0.500	5.000	0	99.8	70	130				
Ethylbenzene	5.23	0.500	5.000	0	105	70	130				
m,p-Xylene	10.3	0.500	10.00	0	103	70	130				
Naphthalene	4.83	0.500	5.000	0	96.5	70	130				
o-Xylene	5.11	0.500	5.000	0	102	70	130				
Toluene	4.96	0.500	5.000	0	99.3	70	130				
Vinyl chloride	3.86	0.500	5.000	0	77.3	70	130				
Surr: 1,2-Dichlorobenzene-d4	9.77		10.00		97.7	70	130				
Surr: 4-Bromofluorobenzene	9.90		10.00		99.0	70	130				

Sample ID: MB	SampType: MBLK	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 194804							
Client ID: PBW	Batch ID: R194804	TestNo: E524.2	Analysis Date: 10/8/2024	SeqNo: 5272284							
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
 M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

E Value above quantitation range
 ND Not Detected
 RL Reporting Detection Limit

H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24100646

11-Oct-24

Client: Columbiana County Health District

Project: EP

BatchID: R194804

Sample ID: MB	SampType: MBLK	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 194804							
Client ID: PBW	Batch ID: R194804	TestNo: E524.2	Analysis Date: 10/8/2024	SeqNo: 5272284							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	9.30		10.00		93.0	70	130				
Surr: 4-Bromofluorobenzene	9.61		10.00		96.1	70	130				

Sample ID: 24100404-003ADUP	SampType: DUP	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 194804							
Client ID: BatchQC	Batch ID: R194804	TestNo: E524.2	Analysis Date: 10/8/2024	SeqNo: 5272290							
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	10.7		10.00		107	70	130		0	20	
Surr: 4-Bromofluorobenzene	10.3		10.00		103	70	130		0	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- W Sample container temperature is out of limit as specified at testcode

- E Value above quantitation range
- ND Not Detected
- RL Reporting Detection Limit

- H Holding times for preparation or analysis exceeds
- PL Permit Limit
- S Spike Recovery outside accepted recovery limits

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

Qualifiers

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

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	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#: **24100646**
11-Oct-24

Client: Columbiana County Health District
Project: EP

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24100646-001A	PW-10 Field Blank	10/7/2024 2:20:00 PM	Drinking Water	Synthetic Organic Compounds by GC/ (EPA 525.3)		10/8/2024 9:35:00 AM	10/10/2024 10:53:00 AM
24100646-001B				SVOC by 8270E		10/9/2024 9:40:00 AM	10/9/2024 3:48:00 PM
24100646-001C				VOC-GC/MS (524.2)			10/8/2024 10:31:00 PM
24100646-001D				VOC by GC/MS (8260D)			10/8/2024 6:47:00 PM
24100646-002A	PW-10	10/7/2024 2:40:00 PM		Synthetic Organic Compounds by GC/ (EPA 525.3)		10/8/2024 9:35:00 AM	10/10/2024 11:27:00 AM
24100646-002B				SVOC by 8270E		10/9/2024 9:40:00 AM	10/9/2024 4:20:00 PM
24100646-002C				VOC-GC/MS (524.2)			10/8/2024 11:02:00 PM
24100646-002D				VOC by GC/MS (8260D)			10/8/2024 5:57:00 PM
				VOC by GC/MS (8260D)			10/8/2024 6:23:00 PM
24100646-003A	PW-320	10/7/2024 9:55:00 AM		Synthetic Organic Compounds by GC/ (EPA 525.3)		10/8/2024 9:35:00 AM	10/10/2024 12:00:00 PM
24100646-003B				SVOC by 8270E		10/9/2024 9:40:00 AM	10/9/2024 4:51:00 PM
24100646-003C				VOC-GC/MS (524.2)			10/8/2024 11:33:00 PM
24100646-003D				VOC by GC/MS (8260D)			10/8/2024 8:23:00 PM
24100646-004A	Dup	10/7/2024		Synthetic Organic Compounds by GC/ (EPA 525.3)		10/8/2024 9:35:00 AM	10/10/2024 12:33:00 PM
24100646-004B				SVOC by 8270E		10/9/2024 9:40:00 AM	10/9/2024 5:23:00 PM
24100646-004C				VOC-GC/MS (524.2)			10/9/2024 12:05:00 AM
24100646-004D				VOC by GC/MS (8260D)			10/8/2024 8:47:00 PM
24100646-005A	Trip Blank 1			VOC-GC/MS (524.2)			10/9/2024 12:36:00 AM
24100646-005B				VOC by GC/MS (8260D)			10/8/2024 9:11:00 PM
24100646-006A	Trip Blank 2			VOC-GC/MS (524.2)			10/9/2024 1:08:00 AM
24100646-006B				VOC by GC/MS (8260D)			10/8/2024 9:35:00 PM

Original

DC-QACOC338 Rev. 4.3



Analysis Request / Chain of Custody

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For Summit Environmental Technologies, Inc. use only
SET WO NO.: **24100646**

Client Name CCHD		Project Identification EP								Analytical Parameters and Methods Requested		
City [Redacted]		Report To CCHD										
Client Phone 330-424-0272		PO #		Quote Number								
Contact Person Kevin Summerville		PWS ID PW-10		Facility ID								
Client Email Address ksommerville@columbiana-health.org		Reporting/Accreditation Requirements:										
Print: Kevin Summerville		<input type="checkbox"/> Ohio VAP		<input type="checkbox"/> Ohio EPA Pb, Cu								
Sign: Kevin Summerville		<input type="checkbox"/> Drinking Water Compliance		<input type="checkbox"/> Other Compliance (List State/ Program):								
For DW only, results to be reported to state by lab? If yes, lab fee may apply: <input type="checkbox"/> Y <input type="checkbox"/> N												
#	Sample Point ID	Sample Identification	Date Collected	Time Collected	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 comments)	Number of Containers per Sample			For DW Only: Special Compliance or Routine (S/R)
	PW-10	Field Blank	10/8/24	1420	✓	L			8	9	524	
	PW-10	Barn Hydrant	10/8/24	1440	✓	DW			8	10	828	
											525.2	
											8260	
Relinquished by:		Date	Time	Received by:	Date	Time	Notes / Comments: 524-HCl, 8260-HCl, 525.2-unknown					
[Signature]		10/8/24	8:40 AM	[Signature]	10/8	8:40						
[Signature]		10/8	1/25				Sufficient volume provided to run QC? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Cooler? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
Received at Summit by:		Date	Time	Carrier	Rush Requested: _____ Day(s)	Must be approved by Lab Manager	Received Temp.: 41/5.2 °C	Other Container: Ice Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED				
[Signature]		10/8/24	1320	Summit			4.2-0.1=4.1					
							5.3-0.1=5.2					



Analysis Request / Chain of Custody

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SET
WO
NO.: For Summit Environmental Technologies, Inc. use only

Client Name CCHD		Project Identification FP			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 comments)	Number of Containers per Sample	Analytical Parameters and Methods Requested														
Client Phone 330-424-0272		Report To CCHD								For DW Only: Special Compliance or Routine (S/R)	524	8270	525.2	8260										
Contact Person Kevin Summerville		PO #	Quote Number																					
Client Email Address ksummerville@columbiana-health.com		PWS ID PW-320	Facility ID																					
Sampled By (Print Name and Provide Signature) Kevin Summerville		Reporting/Accreditation Requirements: <input type="checkbox"/> Ohio VAP <input type="checkbox"/> Ohio EPA Pb, Cu <input type="checkbox"/> Drinking Water Compliance <input type="checkbox"/> Other Compliance (List State/ Program):																						
For DW only, results to be reported to state by lab? If yes, lab fee may apply: <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	525.2	8260											
	PW-320	Kitchen Faucet	10/07/24	955	<input checked="" type="checkbox"/>		DW	8/10	8/10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
Relinquished by:		Date	Time	Received by:	Date	Time	Notes / Comments: 524-HCl, 8260-HCl, 525.2-unknown Aerator couldn't be removed Some small bubbles couldn't be kept out in some vials																	
		10/8/24	8:40am		10/8	8:40																		
		10/8	1:20																					
Received at Summit by:		Date	Time	Carrier	Rush Requested:	Day(s)	Received Temp.:	Other Container:																
		10/8/24	1300	Summit	<input type="checkbox"/>		4.1/5.20	Ice Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED																



Analysis Request / Chain of Custody

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SET WO NO.:	For Summit Environmental Technologies, Inc. use only
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Client Name CCHD		Project Identification EP								Analytical Parameters and Methods Requested							
Client Phone 330-424-0272		Report To CCHD															
Contact Person Karin Summerville		PO #		Quote Number													
Client Email Address KSummerville@columbiana-health.com		PWS ID Dup		Facility ID													
Sampled By (Print Name and Provide Signature) Karin Summerville		Reporting/Accreditation Requirements: <input type="checkbox"/> Ohio VAP <input type="checkbox"/> Ohio EPA Pb, Cu <input type="checkbox"/> Drinking Water Compliance <input type="checkbox"/> Other Compliance (List State/ Program):															
For DW only, results to be reported to state by lab? If yes, lab fee may apply: <input type="checkbox"/> Y <input type="checkbox"/> N																	
#	Sample Point ID	Sample Identification	Date Collected	Time Collected	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 comments)	Number of Containers per Sample							For DW Only: Special Compliance or Routine (S/R)	
	Dup	Outside Spigot	10/07/24		✓		DW	8	10	X	X	X	X				
Relinquished by:		Date	Time	Received by:	Date	Time	Notes / Comments: 524-HCl, 8260-HCl, 525.2-unknown										
<i>[Signature]</i>		10/8/24	8:40 AM	<i>[Signature]</i>	10/8	8:40											
<i>[Signature]</i>		10/8	1:20														
Received at Summit by:		Date	Time	Carrier	Rush Requested: _____ Day(s)	Received Temp.:	Other Container: Ice Present? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED										
<i>[Signature]</i>		10/8/24	1320	Summit	Must be approved by Lab Manager Page 27 of 28	4.1/5.2°C											



Summit Environmental Technologies, Inc.
 3310 Win St.
 Cuyahoga Falls, Ohio 44223
 TEL: (330) 253-8211 FAX: (330) 253-4489
 Website: http://www.settek.com

Sample Log-In Check List

Client Name: COL-OH-44432 Work Order Number: 24100646 RcptNo: 1

Logged by:	Christina N. Gemma	6/8/2024 1:20:00 PM	
Completed By:	Christina N. Gemma	10/8/2024 3:28:30 PM	
Reviewed By:	Holly Florea	10/9/2024 7:36:05 AM	

Chain of Custody

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

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
 No. Seal Date: 10/8/2024 Signed By: Kevin Summerville
 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	4.1	Good	Yes		10/8/2024	Kevin Summe
2	5.2	Good	Yes		10/8/2024	Kevin Summe