



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

July 30, 2024

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

Order No.: 24071591

Dear Kevin Summerville:

Summit Environmental Technologies, Inc. received 9 sample(s) on 7/22/2024 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#: **24071591**
30-Jul-24

CLIENT: Columbiana County Health District
Project: EP

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24071591-001	PW-379 Field Blank		7/20/2024 10:40:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-001	PW-379 Field Blank		7/20/2024 10:40:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-001	PW-379 Field Blank		7/20/2024 10:40:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-001	PW-379 Field Blank		7/20/2024 10:40:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-002	PW-379		7/20/2024 10:55:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-002	PW-379		7/20/2024 10:55:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-002	PW-379		7/20/2024 10:55:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-002	PW-379		7/20/2024 10:55:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-003	PW-465		7/20/2024 11:50:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-003	PW-465		7/20/2024 11:50:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-003	PW-465		7/20/2024 11:50:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-003	PW-465		7/20/2024 11:50:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-004	PW-398		7/20/2024 10:15:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-004	PW-398		7/20/2024 10:15:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-004	PW-398		7/20/2024 10:15:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-004	PW-398		7/20/2024 10:15:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-005	PW-397		7/20/2024 9:40:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-005	PW-397		7/20/2024 9:40:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-005	PW-397		7/20/2024 9:40:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-005	PW-397		7/20/2024 9:40:00 AM	7/22/2024 10:55:00 AM	Drinking Water
24071591-006	Trip Blank 1			7/22/2024 10:55:00 AM	Drinking Water
24071591-006	Trip Blank 1			7/22/2024 10:55:00 AM	Drinking Water
24071591-007	Trip Blank 2			7/22/2024 10:55:00 AM	Drinking Water



SUMMIT
 ENVIRONMENTAL TECHNOLOGIES, INC
 Analytical Laboratories

Summit Environmental Technologies, Inc.
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Workorder Sample Summary

WO#: **24071591**
30-Jul-24

CLIENT: Columbiana County Health District
Project: EP

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24071591-007	Trip Blank 2			7/22/2024 10:55:00 AM	Drinking Water
24071591-008	Trip Blank 3			7/22/2024 10:55:00 AM	Drinking Water
24071591-008	Trip Blank 3			7/22/2024 10:55:00 AM	Drinking Water
24071591-009	Trip Blank 4			7/22/2024 10:55:00 AM	Drinking Water
24071591-009	Trip Blank 4			7/22/2024 10:55:00 AM	Drinking Water



Case Narrative

WO#: 24071591
Date: 7/30/2024

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:

24071591: 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:

24071591-002, 004, 005 SVOC_DW(525.3): Possible high bias due to high surrogate recovery, confirmed by reanalysis. Sample is ND for all analytes.

Original



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Analytical Report

(consolidated)

WO#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District **Collection Date:** 7/20/2024 10:40:00 AM
Project: EP
Lab ID: 24071591-001 **Matrix:** DRINKING WATER
Client Sample ID: PW-379 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	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Anthracene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Benz(a)anthracene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Benzo(a)pyrene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Benzo(b)fluoranthene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Benzo(g,h,i)perylene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Benzo(k)fluoranthene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Chrysene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Dibenz(a,h)anthracene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Fluorene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.990		µg/L	1	7/25/2024 3:25:00 PM
Phenanthrene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Pyrene	ND	0.0990		µg/L	1	7/25/2024 3:25:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	84.4	70 - 130		%Rec	1	7/25/2024 3:25:00 PM
Surr: Benzo(a)pyrene-d12	105	70 - 130		%Rec	1	7/25/2024 3:25:00 PM
Surr: Triphenyl phosphate	130	70 - 130		%Rec	1	7/25/2024 3:25:00 PM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: SAM
SVOC BY 8270E						
1-Methylnaphthalene	ND	0.980		µg/L	1	7/26/2024 12:42:00 AM
2-Butoxyethanol	ND	29.4		µg/L	1	7/26/2024 12:42:00 AM
2-Methylnaphthalene	ND	0.980		µg/L	1	7/26/2024 12:42:00 AM
Acenaphthene	ND	0.980		µg/L	1	7/26/2024 12:42:00 AM
Fluoranthene	ND	0.980		µg/L	1	7/26/2024 12:42:00 AM
Surr: Nitrobenzene-d5	70.3	10 - 130		%Rec	1	7/26/2024 12:42:00 AM
Surr: 2-Fluorobiphenyl	68.2	10 - 130		%Rec	1	7/26/2024 12:42:00 AM
Surr: p-Terphenyl-d14	103	20 - 181		%Rec	1	7/26/2024 12:42:00 AM
DRINKING WATER VOCs (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	7/26/2024 10:11:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/26/2024 10:11:00 PM
Benzene	ND	0.500		µg/L	1	7/26/2024 10:11:00 PM
Ethylbenzene	ND	0.500		µg/L	1	7/26/2024 10:11:00 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#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District **Collection Date:** 7/20/2024 10:40:00 AM
Project: EP
Lab ID: 24071591-001 **Matrix:** DRINKING WATER
Client Sample ID: PW-379 Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	7/26/2024 10:11:00 PM
Naphthalene	ND	0.500		µg/L	1	7/26/2024 10:11:00 PM
o-Xylene	ND	0.500		µg/L	1	7/26/2024 10:11:00 PM
Toluene	ND	0.500		µg/L	1	7/26/2024 10:11:00 PM
Vinyl chloride	ND	0.500		µg/L	1	7/26/2024 10:11:00 PM
Surr: 1,2-Dichlorobenzene-d4	89.7	70 - 130		%Rec	1	7/26/2024 10:11:00 PM
Surr: 4-Bromofluorobenzene	90.8	70 - 130		%Rec	1	7/26/2024 10:11:00 PM
VOC ANALYSIS (8260D)				SW8260	Analyst: ALS	
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 5:30:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 5:30:00 PM
Surr: 4-Bromofluorobenzene	88.5	70 - 130		%Rec	1	7/23/2024 5:30:00 PM
Surr: Dibromofluoromethane	98.9	70 - 130		%Rec	1	7/23/2024 5:30:00 PM
Surr: Toluene-d8	98.5	70 - 130		%Rec	1	7/23/2024 5:30:00 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
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Analytical Report

(consolidated)

WO#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District

Collection Date: 7/20/2024 10:55:00 AM

Project: EP

Lab ID: 24071591-002

Matrix: DRINKING WATER

Client Sample ID: PW-379

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	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Anthracene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Benz(a)anthracene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Benzo(a)pyrene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Benzo(b)fluoranthene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Benzo(g,h,i)perylene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Benzo(k)fluoranthene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Chrysene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Dibenz(a,h)anthracene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Fluorene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.971		µg/L	1	7/26/2024 11:44:00 AM
Phenanthrene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Pyrene	ND	0.0971		µg/L	1	7/26/2024 11:44:00 AM
Surr: 1,3-Dimethyl-2-nitrobenzene	100	70 - 130		%Rec	1	7/26/2024 11:44:00 AM
Surr: Benzo(a)pyrene-d12	116	70 - 130		%Rec	1	7/26/2024 11:44:00 AM
Surr: Triphenyl phosphate	136	70 - 130	S	%Rec	1	7/26/2024 11:44:00 AM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: SAM
SVOC BY 8270E						
1-Methylnaphthalene	ND	0.971		µg/L	1	7/26/2024 1:14:00 AM
2-Butoxyethanol	ND	29.1		µg/L	1	7/26/2024 1:14:00 AM
2-Methylnaphthalene	ND	0.971		µg/L	1	7/26/2024 1:14:00 AM
Acenaphthene	ND	0.971		µg/L	1	7/26/2024 1:14:00 AM
Fluoranthene	ND	0.971		µg/L	1	7/26/2024 1:14:00 AM
Surr: Nitrobenzene-d5	80.8	10 - 130		%Rec	1	7/26/2024 1:14:00 AM
Surr: 2-Fluorobiphenyl	75.1	10 - 130		%Rec	1	7/26/2024 1:14:00 AM
Surr: p-Terphenyl-d14	113	20 - 181		%Rec	1	7/26/2024 1:14:00 AM
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	7/26/2024 10:42:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/26/2024 10:42:00 PM
Benzene	ND	0.500		µg/L	1	7/26/2024 10:42:00 PM
Ethylbenzene	ND	0.500		µg/L	1	7/26/2024 10:42:00 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#: **24071591**

Date Reported: **7/30/2024**

CLIENT: Columbiana County Health District

Collection Date: 7/20/2024 10:55:00 AM

Project: EP

Lab ID: 24071591-002

Matrix: DRINKING WATER

Client Sample ID: PW-379

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	7/26/2024 10:42:00 PM
Naphthalene	ND	0.500		µg/L	1	7/26/2024 10:42:00 PM
o-Xylene	ND	0.500		µg/L	1	7/26/2024 10:42:00 PM
Toluene	ND	0.500		µg/L	1	7/26/2024 10:42:00 PM
Vinyl chloride	ND	0.500		µg/L	1	7/26/2024 10:42:00 PM
Surr: 1,2-Dichlorobenzene-d4	91.4	70 - 130		%Rec	1	7/26/2024 10:42:00 PM
Surr: 4-Bromofluorobenzene	94.5	70 - 130		%Rec	1	7/26/2024 10:42:00 PM
VOC ANALYSIS (8260D)				SW8260		Analyst: ALS
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 5:53:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 5:53:00 PM
Surr: 4-Bromofluorobenzene	88.3	70 - 130		%Rec	1	7/23/2024 5:53:00 PM
Surr: Dibromofluoromethane	101	70 - 130		%Rec	1	7/23/2024 5:53:00 PM
Surr: Toluene-d8	99.3	70 - 130		%Rec	1	7/23/2024 5:53:00 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#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District

Collection Date: 7/20/2024 11:50:00 AM

Project: EP

Lab ID: 24071591-003

Matrix: DRINKING WATER

Client Sample ID: PW-465

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)					E525	525
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						Analyst: JDB
Acenaphthylene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Anthracene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Benz(a)anthracene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Benzo(a)pyrene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Benzo(b)fluoranthene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Benzo(g,h,i)perylene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Benzo(k)fluoranthene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Chrysene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Dibenz(a,h)anthracene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Fluorene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.980		µg/L	1	7/26/2024 12:17:00 PM
Phenanthrene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Pyrene	ND	0.0980		µg/L	1	7/26/2024 12:17:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	100	70 - 130		%Rec	1	7/26/2024 12:17:00 PM
Surr: Benzo(a)pyrene-d12	114	70 - 130		%Rec	1	7/26/2024 12:17:00 PM
Surr: Triphenyl phosphate	128	70 - 130		%Rec	1	7/26/2024 12:17:00 PM
SVOC BY SW8270E					SW8270	SW3510C
SVOC BY 8270E						Analyst: SAM
1-Methylnaphthalene	ND	0.980		µg/L	1	7/26/2024 1:47:00 AM
2-Butoxyethanol	ND	29.4		µg/L	1	7/26/2024 1:47:00 AM
2-Methylnaphthalene	ND	0.980		µg/L	1	7/26/2024 1:47:00 AM
Acenaphthene	ND	0.980		µg/L	1	7/26/2024 1:47:00 AM
Fluoranthene	ND	0.980		µg/L	1	7/26/2024 1:47:00 AM
Surr: Nitrobenzene-d5	87.7	10 - 130		%Rec	1	7/26/2024 1:47:00 AM
Surr: 2-Fluorobiphenyl	96.6	10 - 130		%Rec	1	7/26/2024 1:47:00 AM
Surr: p-Terphenyl-d14	121	20 - 181		%Rec	1	7/26/2024 1:47:00 AM
DRINKING WATER VOCS (EPA 524.2)					E524.2	Analyst: ALS
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	7/26/2024 11:14:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/26/2024 11:14:00 PM
Benzene	ND	0.500		µg/L	1	7/26/2024 11:14:00 PM
Ethylbenzene	ND	0.500		µg/L	1	7/26/2024 11:14:00 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#: **24071591**

Date Reported: **7/30/2024**

CLIENT: Columbiana County Health District

Collection Date: 7/20/2024 11:50:00 AM

Project: EP

Lab ID: 24071591-003

Matrix: DRINKING WATER

Client Sample ID: PW-465

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	7/26/2024 11:14:00 PM
Naphthalene	ND	0.500		µg/L	1	7/26/2024 11:14:00 PM
o-Xylene	ND	0.500		µg/L	1	7/26/2024 11:14:00 PM
Toluene	ND	0.500		µg/L	1	7/26/2024 11:14:00 PM
Vinyl chloride	ND	0.500		µg/L	1	7/26/2024 11:14:00 PM
Surr: 1,2-Dichlorobenzene-d4	90.1	70 - 130		%Rec	1	7/26/2024 11:14:00 PM
Surr: 4-Bromofluorobenzene	94.5	70 - 130		%Rec	1	7/26/2024 11:14:00 PM
VOC ANALYSIS (8260D)				SW8260		Analyst: ALS
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 6:17:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 6:17:00 PM
Surr: 4-Bromofluorobenzene	90.1	70 - 130		%Rec	1	7/23/2024 6:17:00 PM
Surr: Dibromofluoromethane	102	70 - 130		%Rec	1	7/23/2024 6:17:00 PM
Surr: Toluene-d8	99.4	70 - 130		%Rec	1	7/23/2024 6:17:00 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		



Summit Environmental Technologies, Inc.
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 Website: <http://www.settek.com>

Analytical Report

(consolidated)

WO#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District

Collection Date: 7/20/2024 10:15:00 AM

Project: EP

Lab ID: 24071591-004

Matrix: DRINKING WATER

Client Sample ID: PW-398

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	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Anthracene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Benz(a)anthracene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Benzo(a)pyrene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Benzo(b)fluoranthene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Benzo(g,h,i)perylene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Benzo(k)fluoranthene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Chrysene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Dibenz(a,h)anthracene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Fluorene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.971		µg/L	1	7/26/2024 12:51:00 PM
Phenanthrene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Pyrene	ND	0.0971		µg/L	1	7/26/2024 12:51:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	104	70 - 130		%Rec	1	7/26/2024 12:51:00 PM
Surr: Benzo(a)pyrene-d12	113	70 - 130		%Rec	1	7/26/2024 12:51:00 PM
Surr: Triphenyl phosphate	140	70 - 130	S	%Rec	1	7/26/2024 12:51:00 PM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: SAM
SVOC BY 8270E						
1-Methylnaphthalene	ND	0.980		µg/L	1	7/26/2024 2:19:00 AM
2-Butoxyethanol	ND	29.4		µg/L	1	7/26/2024 2:19:00 AM
2-Methylnaphthalene	ND	0.980		µg/L	1	7/26/2024 2:19:00 AM
Acenaphthene	ND	0.980		µg/L	1	7/26/2024 2:19:00 AM
Fluoranthene	ND	0.980		µg/L	1	7/26/2024 2:19:00 AM
Surr: Nitrobenzene-d5	88.1	10 - 130		%Rec	1	7/26/2024 2:19:00 AM
Surr: 2-Fluorobiphenyl	93.8	10 - 130		%Rec	1	7/26/2024 2:19:00 AM
Surr: p-Terphenyl-d14	113	20 - 181		%Rec	1	7/26/2024 2:19:00 AM
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	7/26/2024 11:45:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/26/2024 11:45:00 PM
Benzene	ND	0.500		µg/L	1	7/26/2024 11:45:00 PM
Ethylbenzene	ND	0.500		µg/L	1	7/26/2024 11:45:00 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 Laboratories

Summit Environmental Technologies, Inc.
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Website: <http://www.settek.com>

Analytical Report

(consolidated)

WO#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District

Collection Date: 7/20/2024 10:15:00 AM

Project: EP

Lab ID: 24071591-004

Matrix: DRINKING WATER

Client Sample ID: PW-398

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	7/26/2024 11:45:00 PM
Naphthalene	ND	0.500		µg/L	1	7/26/2024 11:45:00 PM
o-Xylene	ND	0.500		µg/L	1	7/26/2024 11:45:00 PM
Toluene	ND	0.500		µg/L	1	7/26/2024 11:45:00 PM
Vinyl chloride	ND	0.500		µg/L	1	7/26/2024 11:45:00 PM
Surr: 1,2-Dichlorobenzene-d4	89.9	70 - 130		%Rec	1	7/26/2024 11:45:00 PM
Surr: 4-Bromofluorobenzene	95.1	70 - 130		%Rec	1	7/26/2024 11:45:00 PM
VOC ANALYSIS (8260D)				SW8260		Analyst: ALS
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 6:40:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 6:40:00 PM
Surr: 4-Bromofluorobenzene	88.9	70 - 130		%Rec	1	7/23/2024 6:40:00 PM
Surr: Dibromofluoromethane	101	70 - 130		%Rec	1	7/23/2024 6:40:00 PM
Surr: Toluene-d8	99.1	70 - 130		%Rec	1	7/23/2024 6:40:00 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#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District **Collection Date:** 7/20/2024 9:40:00 AM
Project: EP
Lab ID: 24071591-005 **Matrix:** DRINKING WATER
Client Sample ID: PW-397

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	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Anthracene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Benz(a)anthracene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Benzo(a)pyrene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Benzo(b)fluoranthene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Benzo(g,h,i)perylene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Benzo(k)fluoranthene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Chrysene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Dibenz(a,h)anthracene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Fluorene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.971		µg/L	1	7/26/2024 1:24:00 PM
Phenanthrene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Pyrene	ND	0.0971		µg/L	1	7/26/2024 1:24:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	109	70 - 130		%Rec	1	7/26/2024 1:24:00 PM
Surr: Benzo(a)pyrene-d12	124	70 - 130		%Rec	1	7/26/2024 1:24:00 PM
Surr: Triphenyl phosphate	149	70 - 130	S	%Rec	1	7/26/2024 1:24:00 PM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: SAM
SVOC BY 8270E						
1-Methylnaphthalene	ND	0.976		µg/L	1	7/26/2024 2:51:00 AM
2-Butoxyethanol	ND	29.3		µg/L	1	7/26/2024 2:51:00 AM
2-Methylnaphthalene	ND	0.976		µg/L	1	7/26/2024 2:51:00 AM
Acenaphthene	ND	0.976		µg/L	1	7/26/2024 2:51:00 AM
Fluoranthene	ND	0.976		µg/L	1	7/26/2024 2:51:00 AM
Surr: Nitrobenzene-d5	90.8	10 - 130		%Rec	1	7/26/2024 2:51:00 AM
Surr: 2-Fluorobiphenyl	99.2	10 - 130		%Rec	1	7/26/2024 2:51:00 AM
Surr: p-Terphenyl-d14	122	20 - 181		%Rec	1	7/26/2024 2:51:00 AM
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	7/27/2024 12:16:00 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/27/2024 12:16:00 AM
Benzene	ND	0.500		µg/L	1	7/27/2024 12:16:00 AM
Ethylbenzene	ND	0.500		µg/L	1	7/27/2024 12:16:00 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#: **24071591**

Date Reported: **7/30/2024**

CLIENT: Columbiana County Health District

Collection Date: 7/20/2024 9:40:00 AM

Project: EP

Lab ID: 24071591-005

Matrix: DRINKING WATER

Client Sample ID: PW-397

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
m,p-Xylene	ND	0.500		µg/L	1	7/27/2024 12:16:00 AM
Naphthalene	ND	0.500		µg/L	1	7/27/2024 12:16:00 AM
o-Xylene	ND	0.500		µg/L	1	7/27/2024 12:16:00 AM
Toluene	ND	0.500		µg/L	1	7/27/2024 12:16:00 AM
Vinyl chloride	ND	0.500		µg/L	1	7/27/2024 12:16:00 AM
Surr: 1,2-Dichlorobenzene-d4	87.6	70 - 130		%Rec	1	7/27/2024 12:16:00 AM
Surr: 4-Bromofluorobenzene	87.8	70 - 130		%Rec	1	7/27/2024 12:16:00 AM
VOC ANALYSIS (8260D)				SW8260		Analyst: ALS
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 3:34:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 3:34:00 PM
Surr: 4-Bromofluorobenzene	87.8	70 - 130		%Rec	1	7/23/2024 3:34:00 PM
Surr: Dibromofluoromethane	102	70 - 130		%Rec	1	7/23/2024 3:34:00 PM
Surr: Toluene-d8	100	70 - 130		%Rec	1	7/23/2024 3:34:00 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#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District

Collection Date:

Project: EP

Lab ID: 24071591-006

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: ALS
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
Benzene	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
Ethylbenzene	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
m,p-Xylene	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
Naphthalene	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
o-Xylene	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
Toluene	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
Vinyl chloride	ND	0.500		µg/L	1	7/27/2024 2:22:00 AM
Surr: 1,2-Dichlorobenzene-d4	89.2	70 - 130		%Rec	1	7/27/2024 2:22:00 AM
Surr: 4-Bromofluorobenzene	93.6	70 - 130		%Rec	1	7/27/2024 2:22:00 AM
VOC ANALYSIS (8260D)				SW8260		Analyst: ALS
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 7:03:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 7:03:00 PM
Surr: 4-Bromofluorobenzene	89.5	70 - 130		%Rec	1	7/23/2024 7:03:00 PM
Surr: Dibromofluoromethane	101	70 - 130		%Rec	1	7/23/2024 7:03:00 PM
Surr: Toluene-d8	101	70 - 130		%Rec	1	7/23/2024 7:03:00 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#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District

Collection Date:

Project: EP

Lab ID: 24071591-007

Matrix: DRINKING WATER

Client Sample ID: Trip Blank 2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
Benzene	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
Ethylbenzene	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
m,p-Xylene	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
Naphthalene	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
o-Xylene	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
Toluene	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
Vinyl chloride	ND	0.500		µg/L	1	7/27/2024 2:53:00 AM
Surr: 1,2-Dichlorobenzene-d4	90.5	70 - 130		%Rec	1	7/27/2024 2:53:00 AM
Surr: 4-Bromofluorobenzene	91.3	70 - 130		%Rec	1	7/27/2024 2:53:00 AM
VOC ANALYSIS (8260D)				SW8260		Analyst: ALS
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 7:26:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 7:26:00 PM
Surr: 4-Bromofluorobenzene	87.0	70 - 130		%Rec	1	7/23/2024 7:26:00 PM
Surr: Dibromofluoromethane	99.6	70 - 130		%Rec	1	7/23/2024 7:26:00 PM
Surr: Toluene-d8	100	70 - 130		%Rec	1	7/23/2024 7:26:00 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#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District

Collection Date:

Project: EP

Lab ID: 24071591-008

Matrix: DRINKING WATER

Client Sample ID: Trip Blank 3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
Benzene	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
Ethylbenzene	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
m,p-Xylene	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
Naphthalene	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
o-Xylene	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
Toluene	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
Vinyl chloride	ND	0.500		µg/L	1	7/27/2024 3:25:00 AM
Surr: 1,2-Dichlorobenzene-d4	86.5	70 - 130		%Rec	1	7/27/2024 3:25:00 AM
Surr: 4-Bromofluorobenzene	94.6	70 - 130		%Rec	1	7/27/2024 3:25:00 AM
VOC ANALYSIS (8260D)				SW8260		Analyst: ALS
VOC BY GC/MS (8260D)						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 7:50:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 7:50:00 PM
Surr: 4-Bromofluorobenzene	88.4	70 - 130		%Rec	1	7/23/2024 7:50:00 PM
Surr: Dibromofluoromethane	102	70 - 130		%Rec	1	7/23/2024 7:50:00 PM
Surr: Toluene-d8	98.5	70 - 130		%Rec	1	7/23/2024 7:50:00 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#: 24071591

Date Reported: 7/30/2024

CLIENT: Columbiana County Health District

Collection Date:

Project: EP

Lab ID: 24071591-009

Matrix: DRINKING WATER

Client Sample ID: Trip Blank 4

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: ALS

1,1-Dichloropropene	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
Benzene	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
Ethylbenzene	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
m,p-Xylene	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
Naphthalene	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
o-Xylene	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
Toluene	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
Vinyl chloride	ND	0.500		µg/L	1	7/27/2024 3:56:00 AM
Surr: 1,2-Dichlorobenzene-d4	91.4	70 - 130		%Rec	1	7/27/2024 3:56:00 AM
Surr: 4-Bromofluorobenzene	92.2	70 - 130		%Rec	1	7/27/2024 3:56:00 AM

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

SW8260

Analyst: ALS

2-Ethylhexyl acrylate	ND	5.00		µg/L	1	7/23/2024 8:13:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	7/23/2024 8:13:00 PM
Surr: 4-Bromofluorobenzene	90.8	70 - 130		%Rec	1	7/23/2024 8:13:00 PM
Surr: Dibromofluoromethane	102	70 - 130		%Rec	1	7/23/2024 8:13:00 PM
Surr: Toluene-d8	99.4	70 - 130		%Rec	1	7/23/2024 8:13:00 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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QC SUMMARY REPORT

WO#: 24071591
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: 77143

Sample ID: MB-77143	SampType: MBLK	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 7/23/2024	RunNo: 190046						
Client ID: PBW	Batch ID: 77143	TestNo: SW8270	SW3510C	Analysis Date: 7/25/2024	SeqNo: 5152429						
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	0.0163		0.05000		32.6	10	130				
Surr: Phenol-d6	0.00907		0.05000		18.1	10	130				
Surr: Nitrobenzene-d5	0.0440		0.05000		88.0	10	130				
Surr: 2,4,6-Tribromophenol	0.0328		0.05000		65.6	19	151				
Surr: 2-Fluorobiphenyl	0.0428		0.05000		85.6	10	130				
Surr: p-Terphenyl-d14	0.0589		0.05000		118	20	181				

Sample ID: LCS-77143	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 7/23/2024	RunNo: 190046						
Client ID: LCSW	Batch ID: 77143	TestNo: SW8270	SW3510C	Analysis Date: 7/25/2024	SeqNo: 5152430						
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	28.0	5.00	40.0	0	70.0	33	130				
2-Methylnaphthalene	28.6	5.00	40.0	0	71.5	32	130				
Acenaphthene	32.0	5.00	40.0	0	80.0	44	130				
Fluoranthene	36.3	5.00	40.0	0	90.8	63	130				
Surr: 2-Fluorophenol	0.0169		0.05000		33.8	10	130				
Surr: Phenol-d6	0.0149		0.05000		29.7	10	130				
Surr: Nitrobenzene-d5	0.0435		0.05000		87.0	10	130				
Surr: 2,4,6-Tribromophenol	0.0423		0.05000		84.6	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#: 24071591
 30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: 77143

Sample ID: LCS-77143	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 7/23/2024	RunNo: 190046						
Client ID: LCSW	Batch ID: 77143	TestNo: SW8270	SW3510C	Analysis Date: 7/25/2024	SeqNo: 5152430						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2-Fluorobiphenyl	0.0398		0.05000		79.5	10	130				
Surr: p-Terphenyl-d14	0.0570		0.05000		114	20	181				

Sample ID: 24071591-005BMS	SampType: MS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 7/23/2024	RunNo: 190046						
Client ID: PW-397	Batch ID: 77143	TestNo: SW8270	SW3510C	Analysis Date: 7/26/2024	SeqNo: 5153223						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butoxyethanol	ND	29.3		0	0	70	130				
1-Methylnaphthalene	28.1	4.88	39.0	0	72.0	45	130				
2-Methylnaphthalene	29.1	4.88	39.0	0	74.5	42	134				
Acenaphthene	31.4	4.88	39.0	0	80.4	52	128				
Fluoranthene	35.4	4.88	39.0	0	90.7	61	136				
Surr: 2-Fluorophenol	0.0184		0.04878		37.6	10	130				
Surr: Phenol-d6	0.0145		0.04878		29.6	10	130				
Surr: Nitrobenzene-d5	0.0420		0.04878		86.1	10	130				
Surr: 2,4,6-Tribromophenol	0.0405		0.04878		83.0	19	151				
Surr: 2-Fluorobiphenyl	0.0466		0.04878		95.6	10	130				
Surr: p-Terphenyl-d14	0.0572		0.04878		117	20	181				

Sample ID: 24071591-005BMSD	SampType: MSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 7/23/2024	RunNo: 190046						
Client ID: PW-397	Batch ID: 77143	TestNo: SW8270	SW3510C	Analysis Date: 7/26/2024	SeqNo: 5153224						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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



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QC SUMMARY REPORT

WO#: **24071591**
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: 77143

Sample ID: 24071591-005BMSD	SampType: MSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 7/23/2024	RunNo: 190046						
Client ID: PW-397	Batch ID: 77143	TestNo: SW8270	SW3510C	Analysis Date: 7/26/2024	SeqNo: 5153224						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butoxyethanol	ND	29.3		0	0	70	130	0	0	30	
1-Methylnaphthalene	27.6	4.88	39.0	0	70.9	45	130	28.1	1.61	30	
2-Methylnaphthalene	29.2	4.88	39.0	0	74.7	42	134	29.1	0.335	30	
Acenaphthene	30.6	4.88	39.0	0	78.5	52	128	31.4	2.36	30	
Fluoranthene	34.6	4.88	39.0	0	88.7	61	136	35.4	2.23	30	
Surr: 2-Fluorophenol	0.0193		0.04878		39.5	10	130		0		
Surr: Phenol-d6	0.0152		0.04878		31.1	10	130		0		
Surr: Nitrobenzene-d5	0.0422		0.04878		86.6	10	130		0		
Surr: 2,4,6-Tribromophenol	0.0398		0.04878		81.6	19	151		0		
Surr: 2-Fluorobiphenyl	0.0456		0.04878		93.5	10	130		0		
Surr: p-Terphenyl-d14	0.0535		0.04878		110	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 exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24071591
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: 77143

Sample ID: LCSD-77143	SampType: LCSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 7/23/2024	RunNo: 190041						
Client ID: LCSS02	Batch ID: 77143	TestNo: SW8270	SW3510C	Analysis Date: 7/25/2024	SeqNo: 5152619						
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	27.9	5.00	40.0	0	69.8	33	130	28.0	0.358	30	
2-Methylnaphthalene	27.5	5.00	40.0	0	68.8	32	130	28.6	3.92	30	
Acenaphthene	31.1	5.00	40.0	0	77.8	44	130	32.0	2.76	30	
Fluoranthene	36.3	5.00	40.0	0	90.8	63	130	36.3	0.0826	30	
Surr: 2-Fluorophenol	0.0265		0.05000		53.0	10	130		0		
Surr: Phenol-d6	0.0194		0.05000		38.7	10	130		0		
Surr: Nitrobenzene-d5	0.0515		0.05000		103	10	130		0		
Surr: 2,4,6-Tribromophenol	0.0450		0.05000		90.1	19	151		0		
Surr: 2-Fluorobiphenyl	0.0397		0.05000		79.4	10	130		0		
Surr: p-Terphenyl-d14	0.0476		0.05000		95.1	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 exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24071591
 30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: 77161

Sample ID: 24071591-005AMS	SampType: MS	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 7/24/2024	RunNo: 190230						
Client ID: PW-397	Batch ID: 77161	TestNo: E525	525	Analysis Date: 7/26/2024	SeqNo: 5157360						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	4.45	0.0971	4.854	0	91.6	70	130				
Anthracene	4.55	0.0971	4.854	0	93.8	70	130				
Benz(a)anthracene	5.17	0.0971	4.854	0	106	70	130				
Benzo(a)pyrene	4.89	0.0971	4.854	0	101	70	130				
Benzo(b)fluoranthene	5.34	0.0971	4.854	0	110	70	130				
Benzo(g,h,i)perylene	5.42	0.0971	4.854	0	112	70	130				
Benzo(k)fluoranthene	5.17	0.0971	4.854	0	107	70	130				
Chrysene	4.98	0.0971	4.854	0	103	70	130				
Dibenz(a,h)anthracene	5.40	0.0971	4.854	0	111	70	130				
Fluorene	4.60	0.0971	4.854	0	94.8	70	130				
Indeno(1,2,3-cd)pyrene	5.32	0.971	4.854	0	110	70	130				
Phenanthrene	4.78	0.0971	4.854	0	98.4	70	130				
Pyrene	4.99	0.0971	4.854	0	103	70	130				
Surr: 1,3-Dimethyl-2-nitrobe...	4.64		4.854		95.6	70	130				
Surr: Benzo(a)pyrene-d12	5.55		4.854		114	70	130				
Surr: Triphenyl phosphate	6.36		4.854		131	70	130				S

Sample ID: 24071591-005AMSD	SampType: MSD	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 7/24/2024	RunNo: 190230						
Client ID: PW-397	Batch ID: 77161	TestNo: E525	525	Analysis Date: 7/26/2024	SeqNo: 5157361						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	4.34	0.0980	4.902	0	88.6	70	130	4.447	2.35	30	
Anthracene	4.55	0.0980	4.902	0	92.8	70	130	4.553	0.0962	30	
Benz(a)anthracene	4.92	0.0980	4.902	0	100	70	130	5.165	4.83	30	
Benzo(a)pyrene	4.56	0.0980	4.902	0	93.0	70	130	4.893	7.08	30	

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	S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode				



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QC SUMMARY REPORT

WO#: **24071591**
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: 77161

Sample ID: 24071591-005AMSD	SampType: MSD	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 7/24/2024	RunNo: 190230						
Client ID: PW-397	Batch ID: 77161	TestNo: E525	525	Analysis Date: 7/26/2024	SeqNo: 5157361						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	5.00	0.0980	4.902	0	102	70	130	5.340	6.57	30	
Benzo(g,h,i)perylene	5.13	0.0980	4.902	0	105	70	130	5.417	5.50	30	
Benzo(k)fluoranthene	4.83	0.0980	4.902	0	98.6	70	130	5.175	6.82	30	
Chrysene	4.73	0.0980	4.902	0	96.4	70	130	4.981	5.26	30	
Dibenz(a,h)anthracene	5.04	0.0980	4.902	0	103	70	130	5.398	6.88	30	
Fluorene	4.57	0.0980	4.902	0	93.2	70	130	4.602	0.727	30	
Indeno(1,2,3-cd)pyrene	5.06	0.980	4.902	0	103	70	130	5.320	5.04	30	
Phenanthrene	4.87	0.0980	4.902	0	99.4	70	130	4.777	1.99	30	
Pyrene	4.90	0.0980	4.902	0	100	70	130	4.990	1.79	30	
Surr: 1,3-Dimethyl-2-nitrobenzene	4.37		4.902		89.2	70	130		0	0	
Surr: Benzo(a)pyrene-d12	5.06		4.902		103	70	130		0	0	
Surr: Triphenyl phosphate	5.99		4.902		122	70	130		0	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 exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24071591
 30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: 77161

Sample ID: MB-77161	SampType: MBLK	TestCode: SVOC_DW(52 Units: µg/L	Prep Date: 7/24/2024	RunNo: 190229							
Client ID: PBW	Batch ID: 77161	TestNo: E525 525	Analysis Date: 7/25/2024	SeqNo: 5157337							
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	4.37		5.000		87.4	70	130				
Surr: Benzo(a)pyrene-d12	6.58		5.000		132	70	130				S
Surr: Triphenyl phosphate	8.31		5.000		166	70	130				S

Sample ID: LCS-77161	SampType: LCS	TestCode: SVOC_DW(52 Units: µg/L	Prep Date: 7/24/2024	RunNo: 190229							
Client ID: LCSW	Batch ID: 77161	TestNo: E525 525	Analysis Date: 7/25/2024	SeqNo: 5157339							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	4.67	0.100	5.000	0	93.4	70	130				
Anthracene	4.94	0.100	5.000	0	98.8	70	130				
Benz(a)anthracene	5.23	0.100	5.000	0	105	70	130				
Benzo(a)pyrene	4.80	0.100	5.000	0	96.0	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 exceeds
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 24071591
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: 77161

Sample ID: LCS-77161	SampType: LCS	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 7/24/2024	RunNo: 190229						
Client ID: LCSW	Batch ID: 77161	TestNo: E525	525	Analysis Date: 7/25/2024	SeqNo: 5157339						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	5.17	0.100	5.000	0	103	70	130				
Benzo(g,h,i)perylene	5.13	0.100	5.000	0	103	70	130				
Benzo(k)fluoranthene	5.24	0.100	5.000	0	105	70	130				
Chrysene	4.98	0.100	5.000	0	99.6	70	130				
Dibenz(a,h)anthracene	5.11	0.100	5.000	0	102	70	130				
Fluorene	4.92	0.100	5.000	0	98.4	70	130				
Indeno(1,2,3-cd)pyrene	4.88	1.00	5.000	0	97.6	70	130				
Phenanthrene	5.18	0.100	5.000	0	104	70	130				
Pyrene	5.23	0.100	5.000	0	105	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	4.27		5.000		85.4	70	130				
Surr: Benzo(a)pyrene-d12	5.53		5.000		111	70	130				
Surr: Triphenyl phosphate	6.70		5.000		134	70	130				S

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#: 24071591
 30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: R189902

Sample ID: LCS-R189902	SampType: LCS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 189902						
Client ID: LCSW	Batch ID: R189902	TestNo: SW8260		Analysis Date: 7/23/2024	SeqNo: 5149370						
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	81.1	70	130				
n-Butyl acrylate	15.4	5.00	20.00	0	76.9	70	130				
Surr: 4-Bromofluorobenzene	46.9		50.00		93.9	70	130				
Surr: Dibromofluoromethane	48.7		50.00		97.3	70	130				
Surr: Toluene-d8	50.0		50.00		99.9	70	130				

Sample ID: MB-R189902	SampType: MBLK	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 189902						
Client ID: PBW	Batch ID: R189902	TestNo: SW8260		Analysis Date: 7/23/2024	SeqNo: 5149373						
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	44.0		50.00		88.0	70	130				
Surr: Dibromofluoromethane	49.2		50.00		98.5	70	130				
Surr: Toluene-d8	49.4		50.00		98.8	70	130				

Sample ID: 24071591-005DMS	SampType: MS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 189902						
Client ID: PW-397	Batch ID: R189902	TestNo: SW8260		Analysis Date: 7/23/2024	SeqNo: 5149382						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	16.6	5.00	20.00	0	82.9	70	130				
n-Butyl acrylate	17.4	5.00	20.00	0	87.1	70	130				
Surr: 4-Bromofluorobenzene	47.8		50.00		95.7	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



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

QC SUMMARY REPORT

WO#: **24071591**
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: R189902

Sample ID: 24071591-005DMS	SampType: MS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 189902						
Client ID: PW-397	Batch ID: R189902	TestNo: SW8260	Analysis Date: 7/23/2024	SeqNo: 5149382							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	47.8		50.00		95.5	70	130				
Surr: Toluene-d8	49.6		50.00		99.2	46.1	154				

Sample ID: 24071591-005DMSD	SampType: MSD	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 189902						
Client ID: PW-397	Batch ID: R189902	TestNo: SW8260	Analysis Date: 7/23/2024	SeqNo: 5149383							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	17.6	5.00	20.00	0	88.2	70	130	16.58	6.21	20	
n-Butyl acrylate	17.6	5.00	20.00	0	88.0	70	130	17.43	0.948	20	
Surr: 4-Bromofluorobenzene	46.7		50.00		93.5	70	130		0	20	
Surr: Dibromofluoromethane	48.0		50.00		96.0	70	130		0	20	
Surr: Toluene-d8	48.8		50.00		97.6	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 exceeds
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **24071591**
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: R190195

Sample ID: LCS-R190195	SampType: LCS	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 190195							
Client ID: LCSW	Batch ID: R190195	TestNo: E524.2	Analysis Date: 7/26/2024	SeqNo: 5156660							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	4.97	0.500	5.000	0	99.4	70	130				
1,2,4-Trimethylbenzene	4.48	0.500	5.000	0	89.6	70	130				
Benzene	4.97	0.500	5.000	0	99.3	70	130				
Ethylbenzene	4.89	0.500	5.000	0	97.7	70	130				
m,p-Xylene	9.05	0.500	10.00	0	90.5	70	130				
Naphthalene	4.39	0.500	5.000	0	87.7	70	130				
o-Xylene	4.70	0.500	5.000	0	94.0	70	130				
Toluene	4.95	0.500	5.000	0	99.0	70	130				
Vinyl chloride	5.68	0.500	5.000	0	114	70	130				
Surr: 1,2-Dichlorobenzene-d4	9.90		10.00		99.0	70	130				
Surr: 4-Bromofluorobenzene	9.75		10.00		97.5	70	130				

Sample ID: MB-R190195	SampType: MBLK	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 190195							
Client ID: PBW	Batch ID: R190195	TestNo: E524.2	Analysis Date: 7/26/2024	SeqNo: 5156661							
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 exceeds
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **24071591**
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: R190195

Sample ID: MB-R190195	SampType: MBLK	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 190195							
Client ID: PBW	Batch ID: R190195	TestNo: E524.2	Analysis Date: 7/26/2024	SeqNo: 5156661							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	9.17		10.00		91.7	70	130				
Surr: 4-Bromofluorobenzene	9.49		10.00		94.9	70	130				

Sample ID: 24071591-005CMS	SampType: MS	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 190195							
Client ID: PW-397	Batch ID: R190195	TestNo: E524.2	Analysis Date: 7/27/2024	SeqNo: 5156667							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloropropene	5.54	0.500	5.000	0	111	70	130				
1,2,4-Trimethylbenzene	4.53	0.500	5.000	0	90.7	70	130				
Benzene	5.18	0.500	5.000	0	104	70	130				
Ethylbenzene	4.95	0.500	5.000	0	99.0	70	130				
m,p-Xylene	9.35	0.500	10.00	0	93.5	70	130				
Naphthalene	4.18	0.500	5.000	0	83.6	70	130				
o-Xylene	4.56	0.500	5.000	0	91.1	70	130				
Toluene	5.07	0.500	5.000	0	101	70	130				
Vinyl chloride	5.97	0.500	5.000	0	119	70	130				
Surr: 1,2-Dichlorobenzene-d4	9.86		10.00		98.6	70	130				
Surr: 4-Bromofluorobenzene	9.60		10.00		96.0	70	130				

Sample ID: 24071591-005CMSD	SampType: MSD	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 190195							
Client ID: PW-397	Batch ID: R190195	TestNo: E524.2	Analysis Date: 7/27/2024	SeqNo: 5156668							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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



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QC SUMMARY REPORT

WO#: 24071591
30-Jul-24

Client: Columbiana County Health District
Project: EP

BatchID: R190195

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	5.87	0.500	5.000	0	117	70	130	5.542	5.71	25	
1,2,4-Trimethylbenzene	4.78	0.500	5.000	0	95.6	70	130	4.533	5.26	25	
Benzene	5.26	0.500	5.000	0	105	70	130	5.180	1.53	25	
Ethylbenzene	5.18	0.500	5.000	0	104	70	130	4.948	4.52	25	
m,p-Xylene	10.0	0.500	10.00	0	100	70	130	9.350	6.75	25	
Naphthalene	4.31	0.500	5.000	0	86.3	70	130	4.181	3.11	25	
o-Xylene	4.77	0.500	5.000	0	95.3	70	130	4.556	4.48	25	
Toluene	5.26	0.500	5.000	0	105	70	130	5.069	3.77	25	
Vinyl chloride	6.35	0.500	5.000	0	127	70	130	5.966	6.27	25	
Surr: 1,2-Dichlorobenzene-d4	9.83		10.00		98.3	70	130		0	25	
Surr: 4-Bromofluorobenzene	9.62		10.00		96.2	70	130		0	25	

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#: **24071591**

30-Jul-24

Client: Columbiana County Health District

Project: EP

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24071591-001A	PW-379 Field Blank	7/20/2024 10:40:00 AM	Drinking Water	Synthetic Organic Compounds by GC/ (EPA 525.3)		7/24/2024 9:45:00 AM	7/25/2024 3:25:00 PM
24071591-001B				SVOC by 8270E		7/23/2024 5:30:00 PM	7/26/2024 12:42:00 AM
24071591-001C				VOC-GC/MS (524.2)			7/26/2024 10:11:00 PM
24071591-001D				VOC by GC/MS (8260D)			7/23/2024 5:30:00 PM
24071591-002A	PW-379	7/20/2024 10:55:00 AM		Synthetic Organic Compounds by GC/ (EPA 525.3)		7/24/2024 9:45:00 AM	7/26/2024 11:44:00 AM
24071591-002B				Synthetic Organic Compounds by GC/ (EPA 525.3)		7/24/2024 9:45:00 AM	7/26/2024 6:26:00 PM
24071591-002C				SVOC by 8270E		7/23/2024 5:30:00 PM	7/26/2024 1:14:00 AM
24071591-002D				VOC-GC/MS (524.2)			7/26/2024 10:42:00 PM
24071591-003A	PW-465	7/20/2024 11:50:00 AM		VOC by GC/MS (8260D)			7/23/2024 5:53:00 PM
24071591-003B				Synthetic Organic Compounds by GC/ (EPA 525.3)		7/24/2024 9:45:00 AM	7/26/2024 12:17:00 PM
24071591-003C				SVOC by 8270E		7/23/2024 5:30:00 PM	7/26/2024 1:47:00 AM
24071591-003D				VOC-GC/MS (524.2)			7/26/2024 11:14:00 PM
24071591-004A	PW-398	7/20/2024 10:15:00 AM		VOC by GC/MS (8260D)			7/23/2024 6:17:00 PM
24071591-004B				Synthetic Organic Compounds by GC/ (EPA 525.3)		7/24/2024 9:45:00 AM	7/26/2024 7:33:00 PM
24071591-004C				Synthetic Organic Compounds by GC/ (EPA 525.3)		7/24/2024 9:45:00 AM	7/26/2024 12:51:00 PM
24071591-004D				SVOC by 8270E		7/23/2024 5:30:00 PM	7/26/2024 2:19:00 AM
24071591-005A	PW-397	7/20/2024 9:40:00 AM		VOC-GC/MS (524.2)			7/26/2024 11:45:00 PM
				VOC by GC/MS (8260D)			7/23/2024 6:40:00 PM
				Synthetic Organic Compounds by GC/ (EPA 525.3)		7/24/2024 9:45:00 AM	7/26/2024 8:07:00 PM
				Synthetic Organic Compounds by GC/ (EPA 525.3)		7/24/2024 9:45:00 AM	7/26/2024 1:24:00 PM

Original



DATES REPORT

WO#: **24071591**
30-Jul-24

Client: Columbiana County Health District

Project: EP

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24071591-005B	PW-397	7/20/2024 9:40:00 AM	Drinking Water	SVOC by 8270E		7/23/2024 5:30:00 PM	7/26/2024 2:51:00 AM
24071591-005C				VOC-GC/MS (524.2)			7/27/2024 12:16:00 AM
24071591-005D				VOC by GC/MS (8260D)			7/23/2024 3:34:00 PM
24071591-006A	Trip Blank 1			VOC-GC/MS (524.2)			7/27/2024 2:22:00 AM
24071591-006B				VOC by GC/MS (8260D)			7/23/2024 7:03:00 PM
24071591-007A	Trip Blank 2			VOC-GC/MS (524.2)			7/27/2024 2:53:00 AM
24071591-007B				VOC by GC/MS (8260D)			7/23/2024 7:26:00 PM
24071591-008A	Trip Blank 3			VOC-GC/MS (524.2)			7/27/2024 3:25:00 AM
24071591-008B				VOC by GC/MS (8260D)			7/23/2024 7:50:00 PM
24071591-009A	Trip Blank 4			VOC-GC/MS (524.2)			7/27/2024 3:56:00 AM
24071591-009B				VOC by GC/MS (8260D)			7/23/2024 8:13:00 PM

Original



Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET
WO
NO.: **24071591**
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				For DW Only: Special Compliance or Routine (S/R)				
Client Phone 330-424-0272		Report To CCHD								525	828	525.2	0928					
Contact Person Kevin Summerville		PO #	Quote Number															
Client Email Address ksummerville@columbiana-health.com		PWS ID PW-379	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):			525	828	525.2	0928										
Sign: Kevin Summerville		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	525	828	525.2	0928	For DW Only: Special Compliance or Routine (S/R)				
	PW-379	Field Blank	7/20/24	1046	✓		L	8	10	✓	✓	✓	✓					
	PW-379	Kitchen Faucet	7/20/24	1055	✓		DW	8	10	✓	✓	✓	✓					
Relinquished by:		Date	Time	Received by:	Date	Time	Notes / Comments:											
Kevin Summerville		7/22/24	8:50 am	T. Lued	7-22-24	850	524-HCl, 8260-HCl, 525.2-unknown											
T. Lued		7-22-24	1055				C.S. intact 7/22/24											
Sufficient volume provided to run QC? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Cooler? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																
Received at Summit by:		Date	Time	Carrier	Rush Requested:	Day(s)	Received Temp.:		Other Container:			Ice Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED						
C. FS		7/22/24	1055	Summit	Must be approved by Lab Manager		2.6 / 4.3°C					<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED						

2.6 + 0.6 =
4.3 + 0.0 =



Analysis Request / Chain of Custody

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

Client Name: CCHD		Project Identification: EP		Analytical Parameters and Methods Requested													
Client Phone: 330-424-0272		Report To: CCHD															
Contact Person: Kevin Summerville		PO #		Quote Number		Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Portable Water, DW = Drinking Water Preservation: 1) ENO3; 2) EZSO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)											
Client Email Address: ksummerville@columbiana-health.org		PWS ID: PW-465		Facility ID													
Printed By: Kevin Summerville		Reporting/Accreditation Requirements:															
Sign: Kevin Summerville		<input type="checkbox"/> Ohio VAP <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						Number of Containers per Sample 524 8278 525.2 8260											
#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix	Preservation	Containers	Analytical Parameters				For DW Only: Special Compliance or Routine (S/R)			
	PW-465	Outside Spigot	7/20/24	1150	✓		DW	8	10	X	X	X	X				
Relinquished by:		Date	Time	Received by:	Date	Time	Notes / Comments:										
T. Luch		7-22-24	5:50 AM	T. Luch	7-22-24	850	524-HCl, 8260-HCl, 525.2-unknown										
T. Luch		7-22-24	1055				CS. Inlet 7/22/24										
Received at Summit by:		Date	Time	Carrier	Rush Requested:	Day(s)	Received Temp.:		Other Container:								
C. [Signature]		7/22/24	1055	Summit	Must be approved by Lab Manager		43 °C		Ice Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED								

42°C @ 7/22/24
4.3 + 0.0 =



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: 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) HNO ₃ ; 2) H ₂ SO ₄ ; 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)										
Contact Person: Kevin Summerville		PO #	Quote Number																	
Client Email Address: ksummerville@columbiana-health.com		PWS ID: PW-397	Facility ID																	
Sampled By (Print Name and Provide Signature): Kevin Summerville					Reporting/Accreditation Requirements:															
Sign: Kevin Summerville					<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	828	525.2	8260							
	PW-397	Outside Spigot	7/20/24	940	✓		DW	8	10	X	X	X	X							
	PW-397	MS	7/20/24	940	✓		DW	8	10	X	X	X	X							
	PW-397	MSD	7/20/24	940	✓		DW	8	10	X	X	X	X							
Relinquished by:		Date	Time	Received by:	Date	Time	Notes / Comments:													
T. Larch		7-22-24	8:50 am	T. Larch	7-22-24	850	524-HCl, 8260-HCl, 525.2-unknown													
T. Larch		7-22-24	1055				C.S. intact 7/22/24													
							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)	Received Temp.:		Other Container:											
C.S.		7/22/24	1055	Summit	Must be approved by Lab Manager		1.2 / 2-20		Ice Present? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> MELTED											

1.2+0.0=
2.2+0.0=



Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

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		Contact Person: Kevin Summerville		PO #: CCHD		Quote Number:					
Client Email Address: ksummerville@columbiana-health.org		PWS ID: PW-398		Facility ID:		Reporting/Accreditation Requirements:					
Print: Kevin Summerville		<input type="checkbox"/> Ohio VAP		<input type="checkbox"/> Ohio EPA Pb, Cu		Drinking Water Compliance					
Sign: [Signature]		<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-398	Outside Spigot	7/20/24	1015	✓		DW		8	10	X X X X
Relinquished by:		Date	Time	Received by:		Date	Time	Notes / Comments:			
[Signature]		7/22/24	8:50 am	T. Lurch		7-22-24	8:50	524-HCl, 8260-HCl, 525.2-unknown			
T. Lurch		7-22-24	10:55					7/22/24 C.S. intact			
								Sufficient volume provided to run QC? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Cooler? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Received at Summit by:		Date	Time	Carrier		Rush Requested: _____ Day(s)		Received Temp.:		Other Container:	
[Signature]		7/22/24	10:55	Summit		Must be approved by Lab Manager		1.2 °C		Ice Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED	

1.2 + 0 =



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: 24071591 RcptNo: 1

Logged by:	Christina N. Gemma	7/22/2024 10:55:00 AM	
Completed By:	Christina N. Gemma	7/22/2024 2:35:48 PM	
Reviewed By:	Holly Florea	7/23/2024 7:02:59 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. N/A Seal Date: 7/22/2024 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	3.6	Good	Yes	N/A	7/22/2024	Kevin Summe
2	4.3	Good	Yes	N/A	7/22/2024	Kevin Summe
3	1.2	Good	Yes	N/A	7/22/2024	Kevin Summe



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Sample Log-In Check List

Client Name: COL-OH-44432

Work Order Number: 24071591

RcptNo: 1

4	2.2	Good	Yes	N/A	7/22/2024	Kevin Summe
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