



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

November 22, 2024

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

Order No.: 24111068

Dear Kevin Summerville:

Summit Environmental Technologies, Inc. received 9 sample(s) on 11/14/2024 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,

A handwritten signature in black ink that reads "Holly Florea". The signature is written in a cursive, flowing style.

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

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-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#: 24111068
 22-Nov-24

CLIENT: Columbiana County Health District
Project: EP

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24111068-001	PW-482		11/13/2024 2:40:00 PM	11/14/2024 11:45:00 AM	Drinking Water
24111068-001	PW-482		11/13/2024 2:40:00 PM	11/14/2024 11:45:00 AM	Drinking Water
24111068-001	PW-482		11/13/2024 2:40:00 PM	11/14/2024 11:45:00 AM	Drinking Water
24111068-001	PW-482		11/13/2024 2:40:00 PM	11/14/2024 11:45:00 AM	Drinking Water
24111068-002	PW-382		11/13/2024 9:50:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-002	PW-382		11/13/2024 9:50:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-002	PW-382		11/13/2024 9:50:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-002	PW-382		11/13/2024 9:50:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-003	PW-350		11/13/2024 10:45:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-003	PW-350		11/13/2024 10:45:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-003	PW-350		11/13/2024 10:45:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-003	PW-350		11/13/2024 10:45:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-004	Dup		11/13/2024	11/14/2024 11:45:00 AM	Drinking Water
24111068-004	Dup		11/13/2024	11/14/2024 11:45:00 AM	Drinking Water
24111068-004	Dup		11/13/2024	11/14/2024 11:45:00 AM	Drinking Water
24111068-004	Dup		11/13/2024	11/14/2024 11:45:00 AM	Drinking Water
24111068-005	PW-365		11/13/2024 11:35:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-005	PW-365		11/13/2024 11:35:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-005	PW-365		11/13/2024 11:35:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-005	PW-365		11/13/2024 11:35:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-006	PW-342		11/13/2024 12:10:00 PM	11/14/2024 11:45:00 AM	Drinking Water
24111068-006	PW-342		11/13/2024 12:10:00 PM	11/14/2024 11:45:00 AM	Drinking Water
24111068-006	PW-342		11/13/2024 12:10:00 PM	11/14/2024 11:45:00 AM	Drinking Water



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Workorder Sample Summary

WO#: **24111068**
 22-Nov-24

CLIENT: Columbiana County Health District
Project: EP

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24111068-006	PW-342		11/13/2024 12:10:00 PM	11/14/2024 11:45:00 AM	Drinking Water
24111068-007	PW-342 FB		11/13/2024 11:40:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-007	PW-342 FB		11/13/2024 11:40:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-007	PW-342 FB		11/13/2024 11:40:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-007	PW-342 FB		11/13/2024 11:40:00 AM	11/14/2024 11:45:00 AM	Drinking Water
24111068-008	Trip Blank 1			11/14/2024 11:45:00 AM	Non-Potable Water
24111068-008	Trip Blank 1			11/14/2024 11:45:00 AM	Non-Potable Water
24111068-009	Trip Blank 2			11/14/2024 11:45:00 AM	Non-Potable Water
24111068-009	Trip Blank 2			11/14/2024 11:45:00 AM	Non-Potable Water



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Case Narrative

WO#: 24111068
Date: 11/22/2024

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:

24111068: 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:

24111068-001 through 003, 006-007 SVOC_DW(525.3): MB-80332 exhibited detections > 1/2 PQL for Naphthalene and Phenanthrene. Sample is ND for these analytes.

24111068-004A SVOC_DW(525.3): MB-80332 exhibited detections > 1/2 PQL for Naphthalene and Phenanthrene. Sample is ND for these analytes. Possible high bias due to high recovery for surrogate Triphenyl phosphate. Other surrogates demonstrate control. Sample is ND.

Original



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

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Case Narrative

WO#: 24111068

Date: 11/22/2024

CLIENT: Columbiana County Health District

Project: EP

24111068-005A SVOC_DW(525.3): MB-80332 exhibited detections > 1/2 PQL for Naphthalene and Phenanthrene. Sample is ND or < PQL for these analytes. Possible high bias due to high recovery for surrogate Triphenyl phosphate. Other surrogates demonstrate control. Sample is ND.

Original



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Analytical Report

(consolidated)

WO#: 24111068

Date Reported: 11/22/2024

Lab ID: 24111068-001

Collection Date: 11/13/2024 2:40:00 PM

Client Sample ID PW-482

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					EPA 525.3		EPA 525.3	Analyst: JDB
1-Methylnaphthalene	ND	0.00353	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
2-Methylnaphthalene	ND	0.00518	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Acenaphthene	ND	0.00459	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Acenaphthylene	ND	0.00315	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Anthracene	ND	0.00924	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Benz(a)anthracene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Benzo(a)pyrene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Benzo(b)fluoranthene	ND	0.00447	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Benzo(g,h,i)perylene	ND	0.00404	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Benzo(k)fluoranthene	ND	0.00505	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Chrysene	ND	0.00427	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Dibenz(a,h)anthracene	ND	0.00355	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Fluoranthene	ND	0.0300	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Fluorene	ND	0.00374	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00424	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Naphthalene	ND	0.0445	0.0971	MB+	µg/L	1	80332	11/21/2024 2:57:00 PM
Phenanthrene	ND	0.00379	0.0971	MB+	µg/L	1	80332	11/21/2024 2:57:00 PM
Pyrene	ND	0.00624	0.0971		µg/L	1	80332	11/21/2024 2:57:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	99.2		70-130		%Rec	1	80332	11/21/2024 2:57:00 PM
Surr: Benzo(a)pyrene-d12	101		70-130		%Rec	1	80332	11/21/2024 2:57:00 PM
Surr: Triphenyl phosphate	115		70-130		%Rec	1	80332	11/21/2024 2:57:00 PM
SVOC BY 8270E					EPA 8270E		EPA 3510	Analyst: MES
2-Butoxyethanol	ND	0.173	28.6		µg/L	1	80232	11/17/2024 7:10:00 PM
Surr: Nitrobenzene-d5	62.0		10-130		%Rec	1	80232	11/17/2024 7:10:00 PM
Surr: 2-Fluorobiphenyl	57.3		10-130		%Rec	1	80232	11/17/2024 7:10:00 PM
Surr: p-Terphenyl-d14	67.6		20-181		%Rec	1	80232	11/17/2024 7:10:00 PM
VOC-GC/MS (524.2)					EPA 524.2			Analyst: RD
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 1:22:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 1:22:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 1:22:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 1:22:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 1:22:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 1:22:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 1:22:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 1:22:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 1:22:00 PM
Surr: 1,2-Dichlorobenzene-d4	94.3		70-130		%Rec	1	R197091	11/15/2024 1:22:00 PM
Surr: 4-Bromofluorobenzene	92.9		70-130		%Rec	1	R197091	11/15/2024 1:22:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-001

Collection Date: 11/13/2024 2:40:00 PM

Client Sample ID PW-482

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC BY GC/MS (8260D)				EPA 8260D				Analyst: ALS
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 1:00:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 1:00:00 PM
Surr: 4-Bromofluorobenzene	82.9		70-130		%Rec	1	R197179	11/15/2024 1:00:00 PM
Surr: Dibromofluoromethane	123		70-130		%Rec	1	R197179	11/15/2024 1:00:00 PM
Surr: Toluene-d8	118		70-130		%Rec	1	R197179	11/15/2024 1:00:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: 24111068

Date Reported: 11/22/2024

Lab ID: 24111068-002

Collection Date: 11/13/2024 9:50:00 AM

Client Sample ID PW-382

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					EPA 525.3		EPA 525.3	Analyst: JDB
1-Methylnaphthalene	ND	0.00353	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
2-Methylnaphthalene	ND	0.00518	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Acenaphthene	ND	0.00459	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Acenaphthylene	ND	0.00315	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Anthracene	ND	0.00924	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Benz(a)anthracene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Benzo(a)pyrene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Benzo(b)fluoranthene	ND	0.00447	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Benzo(g,h,i)perylene	ND	0.00404	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Benzo(k)fluoranthene	ND	0.00505	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Chrysene	ND	0.00427	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Dibenz(a,h)anthracene	ND	0.00355	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Fluoranthene	ND	0.0300	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Fluorene	ND	0.00374	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00424	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Naphthalene	ND	0.0445	0.0971	MB+	µg/L	1	80332	11/21/2024 3:30:00 PM
Phenanthrene	ND	0.00379	0.0971	MB+	µg/L	1	80332	11/21/2024 3:30:00 PM
Pyrene	ND	0.00624	0.0971		µg/L	1	80332	11/21/2024 3:30:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	106		70-130		%Rec	1	80332	11/21/2024 3:30:00 PM
Surr: Benzo(a)pyrene-d12	116		70-130		%Rec	1	80332	11/21/2024 3:30:00 PM
Surr: Triphenyl phosphate	125		70-130		%Rec	1	80332	11/21/2024 3:30:00 PM
SVOC BY 8270E					EPA 8270E		EPA 3510	Analyst: MES
2-Butoxyethanol	ND	0.174	28.8		µg/L	1	80232	11/17/2024 7:43:00 PM
Surr: Nitrobenzene-d5	74.5		10-130		%Rec	1	80232	11/17/2024 7:43:00 PM
Surr: 2-Fluorobiphenyl	68.1		10-130		%Rec	1	80232	11/17/2024 7:43:00 PM
Surr: p-Terphenyl-d14	80.7		20-181		%Rec	1	80232	11/17/2024 7:43:00 PM
VOC-GC/MS (524.2)					EPA 524.2			Analyst: RD
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 1:54:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 1:54:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 1:54:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 1:54:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 1:54:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 1:54:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 1:54:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 1:54:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 1:54:00 PM
Surr: 1,2-Dichlorobenzene-d4	95.6		70-130		%Rec	1	R197091	11/15/2024 1:54:00 PM
Surr: 4-Bromofluorobenzene	92.5		70-130		%Rec	1	R197091	11/15/2024 1:54:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-002

Collection Date: 11/13/2024 9:50:00 AM

Client Sample ID PW-382

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC BY GC/MS (8260D)				EPA 8260D				Analyst: ALS
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 1:23:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 1:23:00 PM
Surr: 4-Bromofluorobenzene	97.7		70-130		%Rec	1	R197179	11/15/2024 1:23:00 PM
Surr: Dibromofluoromethane	98.3		70-130		%Rec	1	R197179	11/15/2024 1:23:00 PM
Surr: Toluene-d8	102		70-130		%Rec	1	R197179	11/15/2024 1:23:00 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 | J | Analyte detected below quantitation limits |



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Analytical Report

(consolidated)

WO#: 24111068

Date Reported: 11/22/2024

Lab ID: 24111068-003

Collection Date: 11/13/2024 10:45:00 AM

Client Sample ID PW-350

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					EPA 525.3		EPA 525.3	Analyst: JDB
1-Methylnaphthalene	ND	0.00353	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
2-Methylnaphthalene	ND	0.00518	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Acenaphthene	ND	0.00459	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Acenaphthylene	ND	0.00315	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Anthracene	ND	0.00924	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Benz(a)anthracene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Benzo(a)pyrene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Benzo(b)fluoranthene	ND	0.00447	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Benzo(g,h,i)perylene	ND	0.00404	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Benzo(k)fluoranthene	ND	0.00505	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Chrysene	ND	0.00427	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Dibenz(a,h)anthracene	ND	0.00355	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Fluoranthene	ND	0.0300	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Fluorene	ND	0.00374	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00424	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Naphthalene	ND	0.0445	0.0971	MB+	µg/L	1	80332	11/21/2024 4:03:00 PM
Phenanthrene	ND	0.00379	0.0971	MB+	µg/L	1	80332	11/21/2024 4:03:00 PM
Pyrene	ND	0.00624	0.0971		µg/L	1	80332	11/21/2024 4:03:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	104		70-130		%Rec	1	80332	11/21/2024 4:03:00 PM
Surr: Benzo(a)pyrene-d12	108		70-130		%Rec	1	80332	11/21/2024 4:03:00 PM
Surr: Triphenyl phosphate	125		70-130		%Rec	1	80332	11/21/2024 4:03:00 PM
SVOC BY 8270E					EPA 8270E		EPA 3510	Analyst: MES
2-Butoxyethanol	ND	0.174	28.8		µg/L	1	80232	11/17/2024 8:16:00 PM
Surr: Nitrobenzene-d5	64.7		10-130		%Rec	1	80232	11/17/2024 8:16:00 PM
Surr: 2-Fluorobiphenyl	60.3		10-130		%Rec	1	80232	11/17/2024 8:16:00 PM
Surr: p-Terphenyl-d14	79.0		20-181		%Rec	1	80232	11/17/2024 8:16:00 PM
VOC-GC/MS (524.2)					EPA 524.2			Analyst: RD
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 2:25:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 2:25:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 2:25:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 2:25:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 2:25:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 2:25:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 2:25:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 2:25:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 2:25:00 PM
Surr: 1,2-Dichlorobenzene-d4	92.2		70-130		%Rec	1	R197091	11/15/2024 2:25:00 PM
Surr: 4-Bromofluorobenzene	90.7		70-130		%Rec	1	R197091	11/15/2024 2:25:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-003

Collection Date: 11/13/2024 10:45:00 AM

Client Sample ID PW-350

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC BY GC/MS (8260D)				EPA 8260D				Analyst: ALS
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 1:46:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 1:46:00 PM
Surr: 4-Bromofluorobenzene	98.0		70-130		%Rec	1	R197179	11/15/2024 1:46:00 PM
Surr: Dibromofluoromethane	92.7		70-130		%Rec	1	R197179	11/15/2024 1:46:00 PM
Surr: Toluene-d8	90.6		70-130		%Rec	1	R197179	11/15/2024 1:46:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: 24111068

Date Reported: 11/22/2024

Lab ID: 24111068-004

Collection Date: 11/13/2024

Client Sample ID Dup

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					EPA 525.3		EPA 525.3	Analyst: JDB
1-Methylnaphthalene	ND	0.00349	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
2-Methylnaphthalene	ND	0.00513	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Acenaphthene	ND	0.00454	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Acenaphthylene	ND	0.00312	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Anthracene	ND	0.00915	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Benz(a)anthracene	ND	0.00379	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Benzo(a)pyrene	ND	0.00378	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Benzo(b)fluoranthene	ND	0.00443	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Benzo(g,h,i)perylene	ND	0.00400	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Benzo(k)fluoranthene	ND	0.00500	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Chrysene	ND	0.00423	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Dibenz(a,h)anthracene	ND	0.00352	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Fluoranthene	ND	0.0297	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Fluorene	ND	0.00370	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00420	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Naphthalene	ND	0.0441	0.0962	MB+	µg/L	1	80332	11/21/2024 4:37:00 PM
Phenanthrene	ND	0.00376	0.0962	MB+	µg/L	1	80332	11/21/2024 4:37:00 PM
Pyrene	ND	0.00618	0.0962		µg/L	1	80332	11/21/2024 4:37:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	113		70-130		%Rec	1	80332	11/21/2024 4:37:00 PM
Surr: Benzo(a)pyrene-d12	119		70-130		%Rec	1	80332	11/21/2024 4:37:00 PM
Surr: Triphenyl phosphate	131		70-130	S	%Rec	1	80332	11/21/2024 4:37:00 PM
SVOC BY 8270E					EPA 8270E		EPA 3510	Analyst: MES
2-Butoxyethanol	ND	0.176	29.1		µg/L	1	80232	11/17/2024 8:50:00 PM
Surr: Nitrobenzene-d5	62.1		10-130		%Rec	1	80232	11/17/2024 8:50:00 PM
Surr: 2-Fluorobiphenyl	58.7		10-130		%Rec	1	80232	11/17/2024 8:50:00 PM
Surr: p-Terphenyl-d14	66.3		20-181		%Rec	1	80232	11/17/2024 8:50:00 PM
VOC-GC/MS (524.2)					EPA 524.2			Analyst: RD
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 3:28:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 3:28:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 3:28:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 3:28:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 3:28:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 3:28:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 3:28:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 3:28:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 3:28:00 PM
Surr: 1,2-Dichlorobenzene-d4	96.1		70-130		%Rec	1	R197091	11/15/2024 3:28:00 PM
Surr: 4-Bromofluorobenzene	90.6		70-130		%Rec	1	R197091	11/15/2024 3:28:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-004

Collection Date: 11/13/2024

Client Sample ID Dup

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC BY GC/MS (8260D)				EPA 8260D				Analyst: ALS
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 2:09:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 2:09:00 PM
Surr: 4-Bromofluorobenzene	94.2		70-130		%Rec	1	R197179	11/15/2024 2:09:00 PM
Surr: Dibromofluoromethane	102		70-130		%Rec	1	R197179	11/15/2024 2:09:00 PM
Surr: Toluene-d8	107		70-130		%Rec	1	R197179	11/15/2024 2:09:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: 24111068

Date Reported: 11/22/2024

Lab ID: 24111068-005

Collection Date: 11/13/2024 11:35:00 AM

Client Sample ID PW-365

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					EPA 525.3		EPA 525.3	Analyst: JDB
1-Methylnaphthalene	ND	0.00353	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
2-Methylnaphthalene	ND	0.00518	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Acenaphthene	ND	0.00459	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Acenaphthylene	ND	0.00315	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Anthracene	ND	0.00924	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Benz(a)anthracene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Benzo(a)pyrene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Benzo(b)fluoranthene	ND	0.00447	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Benzo(g,h,i)perylene	ND	0.00404	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Benzo(k)fluoranthene	ND	0.00505	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Chrysene	ND	0.00427	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Dibenz(a,h)anthracene	ND	0.00355	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Fluoranthene	ND	0.0300	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Fluorene	ND	0.00374	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00424	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Naphthalene	0.0583	0.0445	0.0971	JMB+	µg/L	1	80332	11/21/2024 5:10:00 PM
Phenanthrene	ND	0.00379	0.0971	MB+	µg/L	1	80332	11/21/2024 5:10:00 PM
Pyrene	ND	0.00624	0.0971		µg/L	1	80332	11/21/2024 5:10:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	112		70-130		%Rec	1	80332	11/21/2024 5:10:00 PM
Surr: Benzo(a)pyrene-d12	119		70-130		%Rec	1	80332	11/21/2024 5:10:00 PM
Surr: Triphenyl phosphate	130		70-130	S	%Rec	1	80332	11/21/2024 5:10:00 PM
SVOC BY 8270E					EPA 8270E		EPA 3510	Analyst: MES
2-Butoxyethanol	ND	0.176	29.1		µg/L	1	80232	11/17/2024 9:23:00 PM
Surr: Nitrobenzene-d5	63.7		10-130		%Rec	1	80232	11/17/2024 9:23:00 PM
Surr: 2-Fluorobiphenyl	62.7		10-130		%Rec	1	80232	11/17/2024 9:23:00 PM
Surr: p-Terphenyl-d14	79.9		20-181		%Rec	1	80232	11/17/2024 9:23:00 PM
VOC-GC/MS (524.2)					EPA 524.2			Analyst: RD
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 3:59:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 3:59:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 3:59:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 3:59:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 3:59:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 3:59:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 3:59:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 3:59:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 3:59:00 PM
Surr: 1,2-Dichlorobenzene-d4	96.3		70-130		%Rec	1	R197091	11/15/2024 3:59:00 PM
Surr: 4-Bromofluorobenzene	95.2		70-130		%Rec	1	R197091	11/15/2024 3:59:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-005

Collection Date: 11/13/2024 11:35:00 AM

Client Sample ID PW-365

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC BY GC/MS (8260D)				EPA 8260D				Analyst: ALS
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 3:42:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 3:42:00 PM
Surr: 4-Bromofluorobenzene	95.2		70-130		%Rec	1	R197179	11/15/2024 3:42:00 PM
Surr: Dibromofluoromethane	94.0		70-130		%Rec	1	R197179	11/15/2024 3:42:00 PM
Surr: Toluene-d8	98.9		70-130		%Rec	1	R197179	11/15/2024 3:42:00 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 | J | Analyte detected below quantitation limits |



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Analytical Report

(consolidated)

WO#: 24111068

Date Reported: 11/22/2024

Lab ID: 24111068-006

Collection Date: 11/13/2024 12:10:00 PM

Client Sample ID PW-342

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					EPA 525.3		EPA 525.3	Analyst: JDB
1-Methylnaphthalene	ND	0.00353	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
2-Methylnaphthalene	ND	0.00518	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Acenaphthene	ND	0.00459	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Acenaphthylene	ND	0.00315	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Anthracene	ND	0.00924	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Benz(a)anthracene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Benzo(a)pyrene	ND	0.00382	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Benzo(b)fluoranthene	ND	0.00447	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Benzo(g,h,i)perylene	ND	0.00404	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Benzo(k)fluoranthene	ND	0.00505	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Chrysene	ND	0.00427	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Dibenz(a,h)anthracene	ND	0.00355	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Fluoranthene	ND	0.0300	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Fluorene	ND	0.00374	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00424	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Naphthalene	ND	0.0445	0.0971	MB+	µg/L	1	80332	11/21/2024 5:43:00 PM
Phenanthrene	ND	0.00379	0.0971	MB+	µg/L	1	80332	11/21/2024 5:43:00 PM
Pyrene	ND	0.00624	0.0971		µg/L	1	80332	11/21/2024 5:43:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	106		70-130		%Rec	1	80332	11/21/2024 5:43:00 PM
Surr: Benzo(a)pyrene-d12	118		70-130		%Rec	1	80332	11/21/2024 5:43:00 PM
Surr: Triphenyl phosphate	126		70-130		%Rec	1	80332	11/21/2024 5:43:00 PM
SVOC BY 8270E					EPA 8270E		EPA 3510	Analyst: MES
2-Butoxyethanol	ND	0.174	28.8		µg/L	1	80232	11/17/2024 9:56:00 PM
Surr: Nitrobenzene-d5	66.0		10-130		%Rec	1	80232	11/17/2024 9:56:00 PM
Surr: 2-Fluorobiphenyl	63.1		10-130		%Rec	1	80232	11/17/2024 9:56:00 PM
Surr: p-Terphenyl-d14	78.9		20-181		%Rec	1	80232	11/17/2024 9:56:00 PM
VOC-GC/MS (524.2)					EPA 524.2			Analyst: RD
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 4:30:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 4:30:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 4:30:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 4:30:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 4:30:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 4:30:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 4:30:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 4:30:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 4:30:00 PM
Surr: 1,2-Dichlorobenzene-d4	95.4		70-130		%Rec	1	R197091	11/15/2024 4:30:00 PM
Surr: 4-Bromofluorobenzene	95.6		70-130		%Rec	1	R197091	11/15/2024 4:30:00 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
W	Sample container temperature is out of limit as specified at testcode	J	Analyte detected below quantitation limits



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-006

Collection Date: 11/13/2024 12:10:00 PM

Client Sample ID PW-342

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC BY GC/MS (8260D)				EPA 8260D				Analyst: ALS
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 4:05:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 4:05:00 PM
Surr: 4-Bromofluorobenzene	95.0		70-130		%Rec	1	R197179	11/15/2024 4:05:00 PM
Surr: Dibromofluoromethane	84.4		70-130		%Rec	1	R197179	11/15/2024 4:05:00 PM
Surr: Toluene-d8	100		70-130		%Rec	1	R197179	11/15/2024 4:05:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: 24111068

Date Reported: 11/22/2024

Lab ID: 24111068-007

Collection Date: 11/13/2024 11:40:00 AM

Client Sample ID PW-342 FB

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					EPA 525.3		EPA 525.3	Analyst: JDB
1-Methylnaphthalene	ND	0.00356	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
2-Methylnaphthalene	ND	0.00523	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Acenaphthene	ND	0.00463	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Acenaphthylene	ND	0.00318	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Anthracene	ND	0.00933	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Benz(a)anthracene	ND	0.00386	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Benzo(a)pyrene	ND	0.00386	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Benzo(b)fluoranthene	ND	0.00452	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Benzo(g,h,i)perylene	ND	0.00408	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Benzo(k)fluoranthene	ND	0.00510	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Chrysene	ND	0.00432	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Dibenz(a,h)anthracene	ND	0.00359	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Fluoranthene	ND	0.0302	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Fluorene	ND	0.00378	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.00429	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Naphthalene	ND	0.0449	0.0980	MB+	µg/L	1	80332	11/21/2024 6:16:00 PM
Phenanthrene	ND	0.00383	0.0980	MB+	µg/L	1	80332	11/21/2024 6:16:00 PM
Pyrene	ND	0.00630	0.0980		µg/L	1	80332	11/21/2024 6:16:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	108		70-130		%Rec	1	80332	11/21/2024 6:16:00 PM
Surr: Benzo(a)pyrene-d12	113		70-130		%Rec	1	80332	11/21/2024 6:16:00 PM
Surr: Triphenyl phosphate	128		70-130		%Rec	1	80332	11/21/2024 6:16:00 PM
SVOC BY 8270E					EPA 8270E		EPA 3510	Analyst: MES
2-Butoxyethanol	ND	0.181	30.0		µg/L	1	80232	11/17/2024 10:29:00 PM
Surr: Nitrobenzene-d5	65.2		10-130		%Rec	1	80232	11/17/2024 10:29:00 PM
Surr: 2-Fluorobiphenyl	62.3		10-130		%Rec	1	80232	11/17/2024 10:29:00 PM
Surr: p-Terphenyl-d14	79.1		20-181		%Rec	1	80232	11/17/2024 10:29:00 PM
VOC-GC/MS (524.2)					EPA 524.2			Analyst: RD
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 5:02:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 5:02:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 5:02:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 5:02:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 5:02:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 5:02:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 5:02:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 5:02:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 5:02:00 PM
Surr: 1,2-Dichlorobenzene-d4	92.4		70-130		%Rec	1	R197091	11/15/2024 5:02:00 PM
Surr: 4-Bromofluorobenzene	91.7		70-130		%Rec	1	R197091	11/15/2024 5:02:00 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	J	Analyte detected below quantitation limits



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-007

Collection Date: 11/13/2024 11:40:00 AM

Client Sample ID PW-342 FB

Matrix: DRINKING WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC BY GC/MS (8260D)				EPA 8260D				Analyst: ALS
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 4:28:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 4:28:00 PM
Surr: 4-Bromofluorobenzene	102		70-130		%Rec	1	R197179	11/15/2024 4:28:00 PM
Surr: Dibromofluoromethane	96.9		70-130		%Rec	1	R197179	11/15/2024 4:28:00 PM
Surr: Toluene-d8	101		70-130		%Rec	1	R197179	11/15/2024 4:28:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-008

Collection Date:

Client Sample ID Trip Blank 1

Matrix: NON-POTABLE WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC-GC/MS (524.2)				EPA 524.2			Analyst: RD	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 5:33:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 5:33:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 5:33:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 5:33:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 5:33:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 5:33:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 5:33:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 5:33:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 5:33:00 PM
Surr: 1,2-Dichlorobenzene-d4	98.2		70-130		%Rec	1	R197091	11/15/2024 5:33:00 PM
Surr: 4-Bromofluorobenzene	97.4		70-130		%Rec	1	R197091	11/15/2024 5:33:00 PM
VOC BY GC/MS (8260D)				EPA 8260D			Analyst: ALS	
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 4:51:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 4:51:00 PM
Surr: 4-Bromofluorobenzene	73.5		70-130		%Rec	1	R197179	11/15/2024 4:51:00 PM
Surr: Dibromofluoromethane	94.6		70-130		%Rec	1	R197179	11/15/2024 4:51:00 PM
Surr: Toluene-d8	89.7		70-130		%Rec	1	R197179	11/15/2024 4:51:00 PM

Qualifiers:

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



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Analytical Report

(consolidated)

WO#: **24111068**

Date Reported: **11/22/2024**

Lab ID: 24111068-009

Collection Date:

Client Sample ID Trip Blank 2

Matrix: NON-POTABLE WATER

Analysis	Result	MDL	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC-GC/MS (524.2)				EPA 524.2			Analyst: RD	
1,1-Dichloropropene	ND	0.112	0.500		µg/L	1	R197091	11/15/2024 6:04:00 PM
1,2,4-Trimethylbenzene	ND	0.172	0.500		µg/L	1	R197091	11/15/2024 6:04:00 PM
Benzene	ND	0.0967	0.500		µg/L	1	R197091	11/15/2024 6:04:00 PM
Ethylbenzene	ND	0.192	0.500		µg/L	1	R197091	11/15/2024 6:04:00 PM
m,p-Xylene	ND	0.422	0.500		µg/L	1	R197091	11/15/2024 6:04:00 PM
Naphthalene	ND	0.206	0.500		µg/L	1	R197091	11/15/2024 6:04:00 PM
o-Xylene	ND	0.211	0.500		µg/L	1	R197091	11/15/2024 6:04:00 PM
Toluene	ND	0.160	0.500		µg/L	1	R197091	11/15/2024 6:04:00 PM
Vinyl chloride	ND	0.0841	0.200		µg/L	1	R197091	11/15/2024 6:04:00 PM
Surr: 1,2-Dichlorobenzene-d4	97.6		70-130		%Rec	1	R197091	11/15/2024 6:04:00 PM
Surr: 4-Bromofluorobenzene	95.5		70-130		%Rec	1	R197091	11/15/2024 6:04:00 PM
VOC BY GC/MS (8260D)				EPA 8260D			Analyst: ALS	
2-Ethylhexyl acrylate	ND	0.114	0.500		µg/L	1	R197179	11/15/2024 5:14:00 PM
n-Butyl acrylate	ND	0.114	1.00		µg/L	1	R197179	11/15/2024 5:14:00 PM
Surr: 4-Bromofluorobenzene	93.9		70-130		%Rec	1	R197179	11/15/2024 5:14:00 PM
Surr: Dibromofluoromethane	99.9		70-130		%Rec	1	R197179	11/15/2024 5:14:00 PM
Surr: Toluene-d8	99.9		70-130		%Rec	1	R197179	11/15/2024 5:14:00 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 | J | Analyte detected below quantitation limits |



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District
Project: EP

BatchID: 80232

Sample ID: MB-80232	SampType: MBLK	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 11/15/2024	RunNo: 197162						
Client ID: PBW	Batch ID: 80232	TestNo: SW8270	SW3510C	Analysis Date: 11/17/2024	SeqNo: 5332448						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butoxyethanol	ND	30.0		0	0						
Surr: 2-Fluorophenol	0.0195		0.05000		38.9	10	130				
Surr: Phenol-d6	0.0140		0.05000		27.9	10	130				
Surr: Nitrobenzene-d5	0.0338		0.05000		67.6	10	130				
Surr: 2,4,6-Tribromophenol	0.0357		0.05000		71.4	19	151				
Surr: 2-Fluorobiphenyl	0.0322		0.05000		64.3	10	130				
Surr: p-Terphenyl-d14	0.0357		0.05000		71.3	20	181				

Sample ID: LCS-80232	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 11/15/2024	RunNo: 197162						
Client ID: LCSW	Batch ID: 80232	TestNo: SW8270	SW3510C	Analysis Date: 11/17/2024	SeqNo: 5332449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butoxyethanol	ND	30.0	40.0	0	0	70	130				S
Surr: 2-Fluorophenol	0.0236		0.05000		47.2	10	130				
Surr: Phenol-d6	0.0178		0.05000		35.5	10	130				
Surr: Nitrobenzene-d5	0.0386		0.05000		77.1	10	130				
Surr: 2,4,6-Tribromophenol	0.0487		0.05000		97.4	19	151				
Surr: 2-Fluorobiphenyl	0.0367		0.05000		73.3	10	130				
Surr: p-Terphenyl-d14	0.0394		0.05000		78.9	20	181				

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	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 contained but not quantified as specified at testcode	



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District

Project: EP

BatchID: 80232

Sample ID: LCSD-80232	SampType: LCSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 11/15/2024	RunNo: 197162						
Client ID: LCSS02	Batch ID: 80232	TestNo: SW8270	SW3510C	Analysis Date: 11/17/2024	SeqNo: 5332450						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butoxyethanol	ND	30.0	40.0	0	0	70	130	0	0	30	S
Surr: 2-Fluorophenol	0.0231		0.05000		46.2	10	130		0		
Surr: Phenol-d6	0.0168		0.05000		33.5	10	130		0		
Surr: Nitrobenzene-d5	0.0357		0.05000		71.5	10	130		0		
Surr: 2,4,6-Tribromophenol	0.0478		0.05000		95.5	19	151		0		
Surr: 2-Fluorobiphenyl	0.0345		0.05000		68.9	10	130		0		
Surr: p-Terphenyl-d14	0.0373		0.05000		74.7	20	181		0		

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- PL Permit Limit
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- W Sample contained but below limit as specified at testcode

- H Holding times for preparation or analysis exceeded
- ND Not Detected
- RL Reporting Detection Limit



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District
Project: EP

BatchID: 80332

Sample ID: 24110945-002AMS	SampType: MS	TestCode: SVOC_DW(52)	Units: µg/L	Prep Date: 11/19/2024	RunNo: 197396						
Client ID: BatchQC	Batch ID: 80332	TestNo: E525	525	Analysis Date: 11/19/2024	SeqNo: 5338780						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	0.0971		0	0	0	0				
2-Methylnaphthalene	ND	0.0971		0	0	0	0				
Acenaphthene	4.77	0.0971	4.854	0	98.2	70	130				
Acenaphthylene	4.83	0.0971	4.854	0	99.4	70	130				
Anthracene	5.32	0.0971	4.854	0	110	70	130				
Benz(a)anthracene	5.83	0.0971	4.854	0	120	70	130				
Benzo(a)pyrene	5.06	0.0971	4.854	0	104	70	130				
Benzo(b)fluoranthene	5.56	0.0971	4.854	0	115	70	130				
Benzo(g,h,i)perylene	5.59	0.0971	4.854	0	115	70	130				
Benzo(k)fluoranthene	5.73	0.0971	4.854	0	118	70	130				
Chrysene	5.52	0.0971	4.854	0	114	70	130				
Dibenz(a,h)anthracene	5.46	0.0971	4.854	0	112	70	130				
Fluoranthene	5.93	0.0971	4.854	0	122	70	130				
Fluorene	5.22	0.0971	4.854	0	108	70	130				
Indeno(1,2,3-cd)pyrene	5.50	0.971	4.854	0	113	70	130				
Naphthalene	4.35	0.0971	4.854	0.05825	88.4	70	130				MB+
Phenanthrene	5.50	0.0971	4.854	0.08738	111	70	130				MB+
Pyrene	5.71	0.0971	4.854	0	118	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	3.93		4.854		81.0	70	130				
Surr: Benzo(a)pyrene-d12	5.49		4.854		113	70	130				
Surr: Triphenyl phosphate	5.83		4.854		120	70	130				

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	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 contained a value above the limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District
Project: EP

BatchID: 80332

Sample ID: 24110945-002AMSD	SampType: MSD	TestCode: SVOC_DW(52)	Units: µg/L	Prep Date: 11/19/2024	RunNo: 197396						
Client ID: BatchQC	Batch ID: 80332	TestNo: E525	525	Analysis Date: 11/19/2024	SeqNo: 5338781						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	0.0980		0	0	0	0	0	0	0	
2-Methylnaphthalene	ND	0.0980		0	0	0	0	0	0	0	
Acenaphthene	4.64	0.0980	4.902	0	94.6	70	130	4.767	2.76	30	
Acenaphthylene	4.63	0.0980	4.902	0	94.4	70	130	4.825	4.18	30	
Anthracene	5.16	0.0980	4.902	0	105	70	130	5.320	3.12	30	
Benz(a)anthracene	5.77	0.0980	4.902	0	118	70	130	5.825	0.875	30	
Benzo(a)pyrene	5.08	0.0980	4.902	0	104	70	130	5.058	0.398	30	
Benzo(b)fluoranthene	5.66	0.0980	4.902	0	115	70	130	5.563	1.67	30	
Benzo(g,h,i)perylene	5.70	0.0980	4.902	0	116	70	130	5.592	1.84	30	
Benzo(k)fluoranthene	5.76	0.0980	4.902	0	118	70	130	5.728	0.636	30	
Chrysene	5.58	0.0980	4.902	0	114	70	130	5.524	0.976	30	
Dibenz(a,h)anthracene	5.45	0.0980	4.902	0	111	70	130	5.456	0.0977	30	
Fluoranthene	5.85	0.0980	4.902	0	119	70	130	5.932	1.34	30	
Fluorene	5.09	0.0980	4.902	0	104	70	130	5.223	2.62	30	
Indeno(1,2,3-cd)pyrene	5.56	0.980	4.902	0	113	70	130	5.495	1.15	30	
Naphthalene	4.18	0.0980	4.902	0.05825	84.0	70	130	4.350	4.06	30	MB+
Phenanthrene	5.26	0.0980	4.902	0.08738	106	70	130	5.495	4.28	30	MB+
Pyrene	5.68	0.0980	4.902	0	116	70	130	5.709	0.567	30	
Surr: 1,3-Dimethyl-2-nitrobenzene	4.09		4.902		83.4	70	130		0	0	
Surr: Benzo(a)pyrene-d12	5.50		4.902		112	70	130		0	0	
Surr: Triphenyl phosphate	5.79		4.902		118	70	130		0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	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 contained a value above the limit as specified at testcode		

Original



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District
Project: EP

BatchID: 80332

Sample ID: MB-80332	SampType: MBLK	TestCode: SVOC_DW(52)	Units: µg/L	Prep Date: 11/19/2024	RunNo: 197396						
Client ID: PBW	Batch ID: 80332	TestNo: E525	525	Analysis Date: 11/19/2024	SeqNo: 5338787						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	0.100									
2-Methylnaphthalene	ND	0.100									
Acenaphthene	ND	0.100									
Acenaphthylene	ND	0.100									
Anthracene	ND	0.100									
Benz(a)anthracene	ND	0.100									
Benzo(a)pyrene	ND	0.100									
Benzo(b)fluoranthene	ND	0.100									
Benzo(g,h,i)perylene	ND	0.100									
Benzo(k)fluoranthene	ND	0.100									
Chrysene	ND	0.100									
Dibenz(a,h)anthracene	ND	0.100									
Fluoranthene	ND	0.100									
Fluorene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	1.00									
Naphthalene	0.0600	0.100									J
Phenanthrene	0.0900	0.100									J
Pyrene	ND	0.100									
Surr: 1,3-Dimethyl-2-nitrobenzene	3.36		5.000		67.2	70	130				S
Surr: Benzo(a)pyrene-d12	3.25		5.000		65.0	70	130				S
Surr: Triphenyl phosphate	4.56		5.000		91.2	70	130				

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	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 contained a value above the limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District

Project: EP

BatchID: 80332

Sample ID: LCS-80332	SampType: LCS	TestCode: SVOC_DW(52)	Units: µg/L	Prep Date: 11/19/2024	RunNo: 197396						
Client ID: LCSW	Batch ID: 80332	TestNo: E525	525	Analysis Date: 11/19/2024	SeqNo: 5338788						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	0.100		0	0	0	0				
2-Methylnaphthalene	ND	0.100		0	0	0	0				
Acenaphthene	4.68	0.100	5.000	0	93.6	70	130				
Acenaphthylene	4.74	0.100	5.000	0	94.8	70	130				
Anthracene	4.94	0.100	5.000	0	98.8	70	130				
Benz(a)anthracene	5.45	0.100	5.000	0	109	70	130				
Benzo(a)pyrene	4.69	0.100	5.000	0	93.8	70	130				
Benzo(b)fluoranthene	5.29	0.100	5.000	0	106	70	130				
Benzo(g,h,i)perylene	5.21	0.100	5.000	0	104	70	130				
Benzo(k)fluoranthene	5.18	0.100	5.000	0	104	70	130				
Chrysene	5.17	0.100	5.000	0	103	70	130				
Dibenz(a,h)anthracene	5.11	0.100	5.000	0	102	70	130				
Fluoranthene	5.45	0.100	5.000	0	109	70	130				
Fluorene	5.10	0.100	5.000	0	102	70	130				
Indeno(1,2,3-cd)pyrene	5.07	1.00	5.000	0	101	70	130				
Naphthalene	4.04	0.100	5.000	0	80.8	70	130				MB+
Phenanthrene	5.07	0.100	5.000	0	101	70	130				MB+
Pyrene	5.29	0.100	5.000	0	106	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	3.80		5.000		76.0	70	130				
Surr: Benzo(a)pyrene-d12	4.62		5.000		92.4	70	130				
Surr: Triphenyl phosphate	5.59		5.000		112	70	130				

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	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 contained a concentration above the limit as specified at testcode		

Original



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District
Project: EP

BatchID: R197091

Sample ID: LCS-R197091	SampType: LCS	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 197091						
Client ID: LCSW	Batch ID: R197091	TestNo: E524.2	Analysis Date: 11/15/2024	SeqNo: 5332393							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	4.56	0.500	5.000	0	91.1	70	130				
1,2,4-Trimethylbenzene	4.58	0.500	5.000	0	91.5	70	130				
Benzene	4.45	0.500	5.000	0	89.1	70	130				
Ethylbenzene	4.53	0.500	5.000	0	90.6	70	130				
m,p-Xylene	9.18	0.500	10.00	0	91.8	70	130				
Naphthalene	4.20	0.500	5.000	0	83.9	70	130				
o-Xylene	4.64	0.500	5.000	0	92.8	70	130				
Toluene	4.33	0.500	5.000	0	86.5	70	130				
Vinyl chloride	5.19	0.500	5.000	0	104	70	130				
Surr: 1,2-Dichlorobenzene-d4	10.2		10.00		102	70	130				
Surr: 4-Bromofluorobenzene	10.1		10.00		101	70	130				

Sample ID: MB-R197091	SampType: MBLK	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 197091						
Client ID: PBW	Batch ID: R197091	TestNo: E524.2	Analysis Date: 11/15/2024	SeqNo: 5332396							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.500									
Benzene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	0.500									
Naphthalene	ND	0.500									
o-Xylene	ND	0.500									
Toluene	ND	0.500									
Vinyl chloride	ND	0.500									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	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 contained a value above the limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District

Project: EP

BatchID: R197091

Sample ID: MB-R197091	SampType: MBLK	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 197091						
Client ID: PBW	Batch ID: R197091	TestNo: E524.2		Analysis Date: 11/15/2024	SeqNo: 5332396						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	9.46		10.00		94.6	70	130				
Surr: 4-Bromofluorobenzene	9.19		10.00		91.9	70	130				

Sample ID: 24111068-003CDUP	SampType: DUP	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 197091						
Client ID: PW-350	Batch ID: R197091	TestNo: E524.2		Analysis Date: 11/15/2024	SeqNo: 5332401						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloropropene	ND	0.500						0	0	20	
1,2,4-Trimethylbenzene	ND	0.500						0	0	20	
Benzene	ND	0.500						0	0	20	
Ethylbenzene	ND	0.500						0	0	20	
m,p-Xylene	ND	0.500						0	0	20	
Naphthalene	ND	0.500						0	0	20	
o-Xylene	ND	0.500						0	0	20	
Toluene	ND	0.500						0	0	20	
Vinyl chloride	ND	0.500						0	0	20	
Surr: 1,2-Dichlorobenzene-d4	9.78		10.00		97.8	70	130		0	20	
Surr: 4-Bromofluorobenzene	9.35		10.00		93.5	70	130		0	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	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 contained a value above the limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District
Project: EP

BatchID: R197179

Sample ID: LCS-R197179	SampType: LCS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 197179						
Client ID: LCSW	Batch ID: R197179	TestNo: SW8260		Analysis Date: 11/15/2024	SeqNo: 5332806						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	17.5	5.00	20.00	0	87.6	70	130				
n-Butyl acrylate	21.3	5.00	20.00	0	106	70	130				
Surr: 4-Bromofluorobenzene	51.7		50.00		103	70	130				
Surr: Dibromofluoromethane	49.2		50.00		98.5	70	130				
Surr: Toluene-d8	49.7		50.00		99.4	70	130				

Sample ID: MB-R197179	SampType: MBLK	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 197179						
Client ID: PBW	Batch ID: R197179	TestNo: SW8260		Analysis Date: 11/15/2024	SeqNo: 5332809						
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	50.9		50.00		102	70	130				
Surr: Dibromofluoromethane	47.4		50.00		94.9	70	130				
Surr: Toluene-d8	49.4		50.00		98.7	70	130				

Sample ID: 24111068-001DMS	SampType: MS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 197179						
Client ID: PW-482	Batch ID: R197179	TestNo: SW8260		Analysis Date: 11/15/2024	SeqNo: 5332814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	18.1	5.00	20.00	0	90.4	70	130				
n-Butyl acrylate	22.3	5.00	20.00	0	112	70	130				
Surr: 4-Bromofluorobenzene	50.0		50.00		100	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	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 contained a value above the limit as specified at testcode		



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QC SUMMARY REPORT

WO#: 24111068

22-Nov-24

Client: Columbiana County Health District
Project: EP

BatchID: R197179

Sample ID: 24111068-001DMS	SampType: MS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 197179						
Client ID: PW-482	Batch ID: R197179	TestNo: SW8260		Analysis Date: 11/15/2024	SeqNo: 5332814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	47.2		50.00		94.4	70	130				
Surr: Toluene-d8	52.4		50.00		105	46.1	154				

Sample ID: 24111068-001DMSD	SampType: MSD	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 197179						
Client ID: PW-482	Batch ID: R197179	TestNo: SW8260		Analysis Date: 11/15/2024	SeqNo: 5332815						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Ethylhexyl acrylate	17.2	5.00	20.00	0	85.9	70	130	18.08	5.11	20	
n-Butyl acrylate	20.3	5.00	20.00	0	101	70	130	22.33	9.68	20	
Surr: 4-Bromofluorobenzene	51.4		50.00		103	70	130		0	20	
Surr: Dibromofluoromethane	47.8		50.00		95.5	70	130		0	20	
Surr: Toluene-d8	51.9		50.00		104	46.1	154		0	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceed
	J	Analyte detected below quantitation limits	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 contained in the container as specified at testcode		

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#: 24111068
22-Nov-24

Client: Columbiana County Health District
Project: EP

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24111068-001A	PW-482	11/13/2024 2:40:00 PM	Drinking Water	Synthetic Organic Compounds by GC/MS (EPA 525.3)		11/19/2024 10:30:00 A	11/21/2024 2:57:00 PM
24111068-001B				SVOC by 8270E		11/15/2024 8:40:00 AM	11/17/2024 7:10:00 PM
24111068-001C				VOC-GC/MS (524.2)			11/15/2024 1:22:00 PM
24111068-001D				VOC by GC/MS (8260D)			11/15/2024 1:00:00 PM
24111068-002A	PW-382	11/13/2024 9:50:00 AM		Synthetic Organic Compounds by GC/MS (EPA 525.3)		11/19/2024 10:30:00 A	11/21/2024 3:30:00 PM
24111068-002B				SVOC by 8270E		11/15/2024 8:40:00 AM	11/17/2024 7:43:00 PM
24111068-002C				VOC-GC/MS (524.2)			11/15/2024 1:54:00 PM
24111068-002D				VOC by GC/MS (8260D)			11/15/2024 1:23:00 PM
24111068-003A	PW-350	11/13/2024 10:45:00 AM		Synthetic Organic Compounds by GC/MS (EPA 525.3)		11/19/2024 10:30:00 A	11/21/2024 4:03:00 PM
24111068-003B				SVOC by 8270E		11/15/2024 8:40:00 AM	11/17/2024 8:16:00 PM
24111068-003C				VOC-GC/MS (524.2)			11/15/2024 2:25:00 PM
24111068-003D				VOC by GC/MS (8260D)			11/15/2024 1:46:00 PM
24111068-004A	Dup	11/13/2024		Synthetic Organic Compounds by GC/MS (EPA 525.3)		11/19/2024 10:30:00 A	11/21/2024 4:37:00 PM
24111068-004B				SVOC by 8270E		11/15/2024 8:40:00 AM	11/17/2024 8:50:00 PM
24111068-004C				VOC-GC/MS (524.2)			11/15/2024 3:28:00 PM
24111068-004D				VOC by GC/MS (8260D)			11/15/2024 2:09:00 PM
24111068-005A	PW-365	11/13/2024 11:35:00 AM		Synthetic Organic Compounds by GC/MS (EPA 525.3)		11/19/2024 10:30:00 A	11/21/2024 5:10:00 PM
24111068-005B				SVOC by 8270E		11/15/2024 12:50:00 P	11/17/2024 9:23:00 PM
24111068-005C				VOC-GC/MS (524.2)			11/15/2024 3:59:00 PM
24111068-005D				VOC by GC/MS (8260D)			11/15/2024 3:42:00 PM
24111068-006A	PW-342	11/13/2024 12:10:00 PM		Synthetic Organic Compounds by GC/MS (EPA 525.3)		11/19/2024 10:30:00 A	11/21/2024 5:43:00 PM

Original



DATES REPORT

WO#: 24111068
22-Nov-24

Client: Columbiana County Health District

Project: EP

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24111068-006B	PW-342	11/13/2024 12:10:00 PM	Drinking Water	SVOC by 8270E		11/15/2024 12:50:00 P	11/17/2024 9:56:00 PM
24111068-006C				VOC-GC/MS (524.2)		^^	11/15/2024 4:30:00 PM
24111068-006D				VOC by GC/MS (8260D)			11/15/2024 4:05:00 PM
24111068-007A	PW-342 FB	11/13/2024 11:40:00 AM		Synthetic Organic Compounds by GC/I (EPA 525.3)		11/19/2024 10:30:00 A	11/21/2024 6:16:00 PM
24111068-007B				SVOC by 8270E		11/15/2024 12:50:00 P	11/17/2024 10:29:00 PM
24111068-007C				VOC-GC/MS (524.2)		^^	11/15/2024 5:02:00 PM
24111068-007D				VOC by GC/MS (8260D)			11/15/2024 4:28:00 PM
24111068-008A	Trip Blank 1		Non-Potable Water	VOC-GC/MS (524.2)			11/15/2024 5:33:00 PM
24111068-008B				VOC by GC/MS (8260D)			11/15/2024 4:51:00 PM
24111068-009A	Trip Blank 2			VOC-GC/MS (524.2)			11/15/2024 6:04:00 PM
24111068-009B				VOC by GC/MS (8260D)			11/15/2024 5:14:00 PM

Original

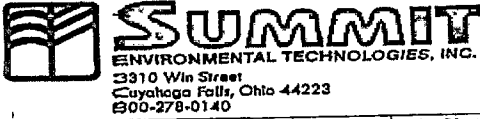


Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

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						524	828	525.2	826							
Contact Person: Kevin Summerville		PO #:																Quote Number
Client Email Address: ksummerville@columbiana-health.com		PWS ID																
Print: Emma GRAY		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):		Sign: Emma Gray	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		For DW Only: Special Compliance or Routine (S/R)											
#	Sample Point ID	Sample Identification	Date Collected		Time Collected													
	PW-382	Garage Spigot	11/13/24	9:50	✓	DW	8	1000	1000	1000	1000							
Relinquished by:		Date	Time	Received by:		Date	Time	Notes / Comments:										
<i>[Signature]</i>		11/14/24	8:40am	<i>[Signature]</i>		11/14	8:40	524-HCl, 826-HCl, 525.2 - unknown										
<i>[Signature]</i>		11/14	11:45					Sufficient volume provided to run QC? <input type="checkbox"/> YES <input type="checkbox"/> NO Cooler? <input type="checkbox"/> YES <input type="checkbox"/> NO										
Received at Summit by:		Date	Time	Carrier		Rush Requested: _____ Day(s)		Received Temp.: _____ °C		Other Container: _____								
<i>[Signature]</i>		11/14/24	11:45	Summit		Must be approved by Lab Manager				Ice Present? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED								



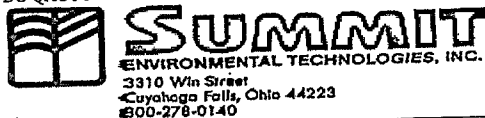
Analysis Request / Chain of Custody

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SET WO NO.:	For Summit Environmental Technologies, Inc. use only
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Client Name CCHD		Project Identification EP		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							Facility ID															
Printed Name and Signature Emma Coray		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	Number of Containers per Sample	524	8270	525.2	8260													
		Dup Kitchen Tap	11/13/24		<input checked="" type="checkbox"/>		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																	
		11/14/24	8:40am		11/14	8:40																		
		11/14	11:45																					
Received at Summit by:		Date	Time	Carrier	Rush Requested:	Day(s)	Received Temp.: °C		Other Container: Ice Present? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED															
		11/14/24	11:45	Summit																				

DC-QACOC338 Rev. 4.3



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: _____						For DW Only: Special Compliance or Routine (S/R)			
Client Email Address: ksummerville@columbiana-health.com		PWS ID: _____		Facility ID: _____									
Sampled By (Print Name and Provide Signature): Emma C. PAY		Reporting/Accreditation Requirements:											
Sign: Emma C. PAY		<input type="checkbox"/> Ohio VAP		<input type="checkbox"/> Ohio EPA Pb, Cu									
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		<input type="checkbox"/> Drinking Water Compliance		<input type="checkbox"/> Other Compliance (List State/ Program):									
#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NFW = 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	524	8270	525	8260
	PW-365	Kitchen Sink	11/15/24	11:35	✓		DW	8	10	2	2	2	2
Relinquished by:		Date	Time	Received by:	Date	Time	Notes / Comments: 524-HCl, 8260-HCl, 525-2-unknown						
[Signature]		11/14/24	8:40 AM	[Signature]	11/14	8:40							
[Signature]		11/14	11:45										
Received at Summit by:		Date	Time	Carrier	Rush Requested: _____ Day(s)		Received Temp.: _____ °C		Other Container: _____				
[Signature]		11/14/24	1145	Summit	Must be approved by Lab Manager				Ice Present? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED				

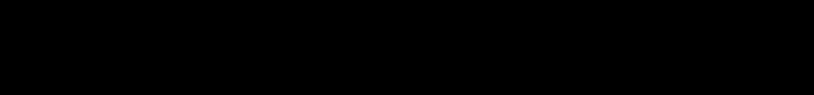


Analysis Request / Chain of Custody

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

Client Name CCHD	Project Identification EP
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Client Phone 330-424-0272	Report To CCHD
Contact Person Kevin Summerville	PO #
Client Email Address ksummerville@columbiana-health.com	Quote Number
Print: Emma GAY	PWS ID
Sign: Emma Gay	Facility ID
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	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):




#	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	Analytical Parameters and Methods Requested				For DW Only: Special Compliance or Routine (S/R)
										524	828	525.2	826	
	PW-342	Pressure Tank	11/13/24	12:10	✓		DW	8 10	2	X	X	X	X	
	PW-342	FB	11/13/24	11:40	X		DW	8 10	2	X	X	X	X	

Relinquished by:	Date	Time	Received by:	Date	Time	Notes / Comments: 524-HCl, 826-HCl, 525.2-unknown
<i>[Signature]</i>	11/14/24	8:40am	<i>[Signature]</i>	11/14	8:40	
	11/14	11:45				

Received at Summit by:	Date	Time	Carrier	Rush Requested: _____ Day(s)	Received Temp.: _____ °C	Other Container: _____
<i>[Signature]</i>	11/14/24	11:45	Summit	Must be approved by Lab Manager		Ice Present? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED

Sample Log-In Check List

Client Name: COL-OH-44432 Work Order Number: 24111068 RcptNo: 1

Logged by:	Christina N. Gemma	11/14/2024 11:45:00 AM	  
Completed By:	Christina N. Gemma	11/14/2024 7:14:48 PM	
Reviewed By:	Holly Florea	11/15/2024 11:34:26 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: 11/14/2024 Signed By: Emma Gray
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	3.7	Good	Yes		11/14/2024	Emma Gray
2	4.8	Good	Yes		11/14/2024	Emma Gray
3	5.6	Good	Yes		11/14/2024	Emma Gray



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: 24111068

RcptNo: 1

4	5.7	Good	Yes	11/14/2024	Emma Gray
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