



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

March 22, 2023

Colin White
OhioEPA-DDAGW
2110 East Aurora Road
Twinsburg, OH 44087
TEL: (614) 644-2759
FAX:

RE: Ohio EPA PWS-EP

Dear Colin White:

Order No.: 23030669

Summit Environmental Technologies, Inc. received 6 sample(s) on 3/9/2023 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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Case Narrative

WO#: 23030669
Date: 3/22/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-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.

Analytical Sequence Sample Notes:

23030669-001 through 004 GLYCOL_NPW(8015C): Bracketing CCV exhibited high recoveries for Ethylene glycol and Propylene glycol. Sample is ND for these analytes.

23030669-001D SVOC-MSTR_NPW(8270E): Possible low bias for Fluoranthene due to low recovery in the CCV. Compound demonstrates adequate instrument sensitivity in RLC. Sample exhibited low area responses for two internal standards, indicating possible high bias. Sample is ND for all reported analytes. Second analysis of sample.

23030669-002D SVOC-MSTR_NPW(8270E): Possible low bias for Fluoranthene due to low recovery in the CCV. Compound demonstrates adequate instrument sensitivity in RLC.

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Case Narrative

WO#: 23030669
Date: 3/22/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

23030669-003D SVOC-MSTR_NPW(8270E): Possible low bias for Fluoranthene due to low recovery in the CCV. Compound demonstrates adequate instrument sensitivity in RLC. Sample exhibited high recovery for surrogate 2-Fluorobiphenyl. All other surrogates demonstrate control.

23030669-004D SVOC-MSTR_NPW(8270E): Possible low bias for Fluoranthene due to low recovery in the CCV. Compound demonstrates adequate instrument sensitivity in RLC.

23030669-001D SVOC_DW(525.3): Low recoveries for surrogates 1,3-Dimethyl-2-nitrobenzene and Benzo(a)pyrene-d12 were confirmed by reanalysis. MB-63563 exhibited a detection for Diethyl phthalate. Sample is ND for this analyte. Possible low bias for several analytes due to low recoveries in LCS/LCSD-63563, confirmed by reanalysis.

23030669-002 through 004 SVOC_DW(525.3): Low recovery for surrogate 1,3-Dimethyl-2-nitrobenzene was confirmed by reanalysis. MB-63563 exhibited a detection for Diethyl phthalate. Sample is ND for this analyte. Possible low bias for several analytes due to low recoveries in LCS/LCSD-63563, confirmed by reanalysis.

Original



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Workorder Sample Summary

WO#: 23030669

22-Mar-23

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
23030669-001	SMW-3 EP Vil Sent. Well		3/9/2023 2:15:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-001	SMW-3 EP Vil Sent. Well		3/9/2023 2:15:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-001	SMW-3 EP Vil Sent. Well		3/9/2023 2:15:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-001	SMW-3 EP Vil Sent. Well		3/9/2023 2:15:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-001	SMW-3 EP Vil Sent. Well		3/9/2023 2:15:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-002	SMW-4 EP Vil Sent. Well		3/9/2023 3:50:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-002	SMW-4 EP Vil Sent. Well		3/9/2023 3:50:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-002	SMW-4 EP Vil Sent. Well		3/9/2023 3:50:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-002	SMW-4 EP Vil Sent. Well		3/9/2023 3:50:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-002	SMW-4 EP Vil Sent. Well		3/9/2023 3:50:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-003	SMW-3FB Field Blank		3/9/2023 1:30:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-003	SMW-3FB Field Blank		3/9/2023 1:30:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-003	SMW-3FB Field Blank		3/9/2023 1:30:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-003	SMW-3FB Field Blank		3/9/2023 1:30:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-003	SMW-3FB Field Blank		3/9/2023 1:30:00 PM	3/9/2023 5:55:00 PM	Drinking Water
23030669-004	SMW-2 EP Vil Sent Well		3/9/2023 10:10:00 AM	3/9/2023 5:55:00 PM	Drinking Water
23030669-004	SMW-2 EP Vil Sent Well		3/9/2023 10:10:00 AM	3/9/2023 5:55:00 PM	Drinking Water
23030669-004	SMW-2 EP Vil Sent Well		3/9/2023 10:10:00 AM	3/9/2023 5:55:00 PM	Drinking Water
23030669-004	SMW-2 EP Vil Sent Well		3/9/2023 10:10:00 AM	3/9/2023 5:55:00 PM	Drinking Water
23030669-004	SMW-2 EP Vil Sent Well		3/9/2023 10:10:00 AM	3/9/2023 5:55:00 PM	Drinking Water
23030669-005	Trip Blank-1			3/9/2023 5:55:00 PM	Drinking Water
23030669-005	Trip Blank-1			3/9/2023 5:55:00 PM	Drinking Water
23030669-005	Trip Blank-1			3/9/2023 5:55:00 PM	Drinking Water



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Workorder
Sample Summary
WO#: **23030669**
22-Mar-23

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
23030669-006	Trip Blank-2			3/9/2023 5:55:00 PM	Drinking Water
23030669-006	Trip Blank-2			3/9/2023 5:55:00 PM	Drinking Water
23030669-006	Trip Blank-2			3/9/2023 5:55:00 PM	Drinking Water



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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 2:15:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-001 **Matrix:** DRINKING WATER
Client Sample ID: SMW-3 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GLYCOLS (8015)		SW8015C			Analyst: JDB	
Diethylene glycol	ND	5000		µg/L	1	3/11/2023 7:34:00 PM
Ethylene glycol	ND	5000		µg/L	1	3/11/2023 7:34:00 PM
Propylene glycol	ND	5000		µg/L	1	3/11/2023 7:34:00 PM
Triethylene glycol	ND	5000		µg/L	1	3/11/2023 7:34:00 PM
EPA504.-DW		E504.1			Analyst: PGP	
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/15/2023 2:03:00 PM
Ethylene dibromide	ND	0.0200		µg/L	1	3/15/2023 2:03:00 PM
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)		E525			Analyst: CSS	
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
2,4-Dinitrotoluene	ND	0.196		µg/L	1	3/18/2023 2:21:00 PM
Acenaphthylene	ND	0.0980		µg/L	1	3/18/2023 2:21:00 PM
Anthracene	ND	0.0980		µg/L	1	3/18/2023 2:21:00 PM
Benzo(a)anthracene	ND	0.0980		µg/L	1	3/18/2023 2:21:00 PM
Benzo(a)pyrene	ND	0.0980	QL-	µg/L	1	3/18/2023 2:21:00 PM
Benzo(b)fluoranthene	ND	0.0980	QL-	µg/L	1	3/18/2023 2:21:00 PM
Benzo(g,h,i)perylene	ND	0.0980	QL-	µg/L	1	3/18/2023 2:21:00 PM
Benzo(k)fluoranthene	ND	0.0980	QL-	µg/L	1	3/18/2023 2:21:00 PM
Bis(2-ethylhexyl) phthalate	0.137	0.196	JQL-	µg/L	1	3/18/2023 2:21:00 PM
Butyl benzyl phthalate	ND	0.196		µg/L	1	3/18/2023 2:21:00 PM
Chrysene	ND	0.0980		µg/L	1	3/18/2023 2:21:00 PM
Dibenz(a,h)anthracene	ND	0.0980	QL-	µg/L	1	3/18/2023 2:21:00 PM
Diethyl phthalate	ND	0.0980	MB+	µg/L	1	3/18/2023 2:21:00 PM
Dimethyl phthalate	ND	0.196		µg/L	1	3/18/2023 2:21:00 PM
Di-n-butyl phthalate	ND	0.196		µg/L	1	3/18/2023 2:21:00 PM
Fluorene	ND	0.0980		µg/L	1	3/18/2023 2:21:00 PM
Hexachlorobenzene	ND	0.0980		µg/L	1	3/18/2023 2:21:00 PM
Hexachlorocyclopentadiene	ND	0.0980	QL-	µg/L	1	3/18/2023 2:21:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.980	QL-	µg/L	1	3/18/2023 2:21:00 PM
Isophorone	ND	0.196	QL-	µg/L	1	3/18/2023 2:21:00 PM
Phenanthrene	ND	0.0980		µg/L	1	3/18/2023 2:21:00 PM
Pyrene	ND	0.0980		µg/L	1	3/18/2023 2:21:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 2:15:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-001 **Matrix:** DRINKING WATER
Client Sample ID: SMW-3 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)					E525	
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					525	Analyst: CSS
Surr: 1,3-Dimethyl-2-nitrobenz...	60.6	70 - 130	S	%Rec	1	3/18/2023 2:21:00 PM
Surr: Benzo(a)pyrene-d12	23.2	70 - 130	S	%Rec	1	3/18/2023 2:21:00 PM
Surr: Triphenyl phosphate	90.2	70 - 130		%Rec	1	3/18/2023 2:21:00 PM
SVOC BY SW8270E					SW8270	
SVOC BY 8270E					SW3510C	Analyst: JAP
Benzoic acid	ND	15.5		µg/L	1	3/16/2023 12:15:00 AM
2,6-Dinitrotoluene	ND	0.971		µg/L	1	3/16/2023 12:15:00 AM
2-Butoxyethanol	ND	29.1		µg/L	1	3/21/2023 3:24:00 PM
2-Methylnaphthalene	ND	0.971		µg/L	1	3/16/2023 12:15:00 AM
3,3'-Dichlorobenzidine	ND	9.71		µg/L	1	3/16/2023 12:15:00 AM
4-Nitrophenol	ND	4.85		µg/L	1	3/16/2023 12:15:00 AM
Acenaphthene	ND	0.971		µg/L	1	3/16/2023 12:15:00 AM
Bis(2-chloroethyl) ether	ND	0.971		µg/L	1	3/16/2023 12:15:00 AM
Di-n-octyl phthalate	ND	4.85		µg/L	1	3/16/2023 12:15:00 AM
Fluoranthene	ND	0.971	QC-	µg/L	1	3/16/2023 12:15:00 AM
Naphthalene	ND	0.971		µg/L	1	3/16/2023 12:15:00 AM
Phenol	ND	0.971		µg/L	1	3/16/2023 12:15:00 AM
3&4-Methylphenol	ND	0.971		µg/L	1	3/16/2023 12:15:00 AM
Surr: 2-Fluorophenol	35.7	20 - 130		%Rec	1	3/16/2023 12:15:00 AM
Surr: 2-Fluorophenol	49.3	20 - 130	m	%Rec	1	3/21/2023 3:24:00 PM
Surr: Phenol-d6	30.6	20 - 130		%Rec	1	3/21/2023 3:24:00 PM
Surr: Phenol-d6	24.9	20 - 130		%Rec	1	3/16/2023 12:15:00 AM
Surr: Nitrobenzene-d5	62.4	27.4 - 130		%Rec	1	3/21/2023 3:24:00 PM
Surr: Nitrobenzene-d5	56.1	27.4 - 130		%Rec	1	3/16/2023 12:15:00 AM
Surr: 2,4,6-Tribromophenol	98.6	54.3 - 133		%Rec	1	3/21/2023 3:24:00 PM
Surr: 2,4,6-Tribromophenol	92.1	54.3 - 133		%Rec	1	3/16/2023 12:15:00 AM
Surr: 2-Fluorobiphenyl	47.3	25.6 - 130		%Rec	1	3/16/2023 12:15:00 AM
Surr: 2-Fluorobiphenyl	67.2	25.6 - 130		%Rec	1	3/21/2023 3:24:00 PM
Surr: p-Terphenyl-d14	99.0	20 - 181		%Rec	1	3/16/2023 12:15:00 AM
Surr: p-Terphenyl-d14	78.4	20 - 181		%Rec	1	3/21/2023 3:24:00 PM
DRINKING WATER VOCs (EPA 524.2)					E524.2	Analyst: ALS
VOC-GC/MS (524.2)						

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 2:15:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-001 **Matrix:** DRINKING WATER
Client Sample ID: SMW-3 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,3,5-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/10/2023 5:49:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
2-Hexanone	ND	5.00		µg/L	1	3/10/2023 5:49:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/10/2023 5:49:00 PM
Acetone	ND	5.00		µg/L	1	3/10/2023 5:49:00 PM
Benzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Bromoform	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Bromomethane	ND	1.00		µg/L	1	3/10/2023 5:49:00 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Chlorobromomethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Chlorodibromomethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Chloroethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 2:15:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-001 **Matrix:** DRINKING WATER
Client Sample ID: SMW-3 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)		E524.2		Analyst: ALS		
VOC-GC/MS (524.2)						
Chloroform	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Chloromethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Ethylbenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Isopropylbenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
m,p-Xylene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Methylene chloride	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
MTBE	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
n-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
n-Propylbenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
o-Xylene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
sec-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Styrene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/10/2023 5:49:00 PM
tert-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Tetrachloroethene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Toluene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Trichloroethene	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Vinyl chloride	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Xylenes, Total	ND	0.500		µg/L	1	3/10/2023 5:49:00 PM
Surr: 1,2-Dichlorobenzene-d4	85.8	70 - 130		%Rec	1	3/10/2023 5:49:00 PM
Surr: 4-Bromofluorobenzene	84.1	70 - 130		%Rec	1	3/10/2023 5:49:00 PM

VOC ANALYSIS (8260D) **SW8260** Analyst: ZDA
VOC BY GC/MS (8260D)

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

Original



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

Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 2:15:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-001 **Matrix:** DRINKING WATER
Client Sample ID: SMW-3 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC ANALYSIS (8260D)				SW8260	Analyst: ZDA	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
1,3-Butadiene	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
1,4-Dioxane	ND	25.0		µg/L	1	3/13/2023 5:02:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
2-Butanone	ND	25.0		µg/L	1	3/13/2023 5:02:00 PM
2-Nitropropane	ND	50.0		µg/L	1	3/13/2023 5:02:00 PM
Acrylonitrile (2-propenenitrile)	ND	30.0		µg/L	1	3/13/2023 5:02:00 PM
Allyl chloride	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Chloroprene	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Cyclohexanone	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Ethyl Ether	ND	10.0		µg/L	1	3/13/2023 5:02:00 PM
Epichlorohydrin	ND	20.0		µg/L	1	3/13/2023 5:02:00 PM
ETBE	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Ethyl acrylate	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Ethyl methacrylate	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Hexachloroethane	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Methacrylonitrile	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Methyl acrylate	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Methyl methacrylate	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Propionitrile	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Vinyl acetate	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/13/2023 5:02:00 PM
Surr: 4-Bromofluorobenzene	97.2	70 - 130		%Rec	1	3/13/2023 5:02:00 PM
Surr: Dibromofluoromethane	102	70 - 130		%Rec	1	3/13/2023 5:02:00 PM
Surr: Toluene-d8	99.6	70 - 130		%Rec	1	3/13/2023 5:02:00 PM

VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: ZDA	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/13/2023 5:02:00 PM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/13/2023 5:02:00 PM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/13/2023 5:02:00 PM

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

Original



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

Analytical Report

(consolidated)

WO#: **23030669**

Date Reported: **3/22/2023**

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 2:15:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-001 **Matrix:** DRINKING WATER
Client Sample ID: SMW-3 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: ZDA	
TIC: 2-Ethylhexyl acrylate	ND	J		µg/L	1	3/13/2023 5:02:00 PM
TIC: Benzyl chloride	ND	J		µg/L	1	3/13/2023 5:02:00 PM
TIC: Bromoethane	ND	J		µg/L	1	3/13/2023 5:02:00 PM
TIC: Chloroacetonitrile	ND	J		µg/L	1	3/13/2023 5:02:00 PM
TIC: n-Butyl acrylate	ND	J		µg/L	1	3/13/2023 5:02:00 PM
TIC: Pentachloroethane	ND	J		µg/L	1	3/13/2023 5:02:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 3:50:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-002 **Matrix:** DRINKING WATER
Client Sample ID: SMW-4 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GLYCOLS (8015)				SW8015C	Analyst: JDB	
Diethylene glycol	ND	5000		µg/L	1	3/11/2023 8:11:00 PM
Ethylene glycol	ND	5000		µg/L	1	3/11/2023 8:11:00 PM
Propylene glycol	ND	5000		µg/L	1	3/11/2023 8:11:00 PM
Triethylene glycol	ND	5000		µg/L	1	3/11/2023 8:11:00 PM
EPA504.-DW				E504.1	E504.1	Analyst: PGP
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/15/2023 2:23:00 PM
Ethylene dibromide	ND	0.0200		µg/L	1	3/15/2023 2:23:00 PM
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)				E525	525	Analyst: CSS
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
2,4-Dinitrotoluene	ND	0.189		µg/L	1	3/18/2023 3:08:00 PM
Acenaphthylene	ND	0.0943		µg/L	1	3/18/2023 3:08:00 PM
Anthracene	ND	0.0943		µg/L	1	3/18/2023 3:08:00 PM
Benzo(a)anthracene	ND	0.0943		µg/L	1	3/18/2023 3:08:00 PM
Benzo(a)pyrene	ND	0.0943	QL-	µg/L	1	3/18/2023 3:08:00 PM
Benzo(b)fluoranthene	ND	0.0943	QL-	µg/L	1	3/18/2023 3:08:00 PM
Benzo(g,h,i)perylene	ND	0.0943	QL-	µg/L	1	3/18/2023 3:08:00 PM
Benzo(k)fluoranthene	ND	0.0943	QL-	µg/L	1	3/18/2023 3:08:00 PM
Bis(2-ethylhexyl) phthalate	0.142	0.189	JQL-	µg/L	1	3/18/2023 3:08:00 PM
Butyl benzyl phthalate	ND	0.189		µg/L	1	3/18/2023 3:08:00 PM
Chrysene	ND	0.0943		µg/L	1	3/18/2023 3:08:00 PM
Dibenz(a,h)anthracene	ND	0.0943	QL-	µg/L	1	3/18/2023 3:08:00 PM
Diethyl phthalate	ND	0.0943	MB+	µg/L	1	3/18/2023 3:08:00 PM
Dimethyl phthalate	ND	0.189		µg/L	1	3/18/2023 3:08:00 PM
Di-n-butyl phthalate	ND	0.189		µg/L	1	3/18/2023 3:08:00 PM
Fluorene	ND	0.0943		µg/L	1	3/18/2023 3:08:00 PM
Hexachlorobenzene	ND	0.0943		µg/L	1	3/18/2023 3:08:00 PM
Hexachlorocyclopentadiene	ND	0.0943	QL-	µg/L	1	3/18/2023 3:08:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.943	QL-	µg/L	1	3/18/2023 3:08:00 PM
Isophorone	ND	0.189	QL-	µg/L	1	3/18/2023 3:08:00 PM
Phenanthrene	ND	0.0943		µg/L	1	3/18/2023 3:08:00 PM
Pyrene	ND	0.0943		µg/L	1	3/18/2023 3:08:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 3:50:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-002 **Matrix:** DRINKING WATER
Client Sample ID: SMW-4 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)				E525	525	Analyst: CSS
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
Surr: 1,3-Dimethyl-2-nitrobenz...	53.0	70 - 130	S	%Rec	1	3/18/2023 3:08:00 PM
Surr: Benzo(a)pyrene-d12	75.8	70 - 130		%Rec	1	3/18/2023 3:08:00 PM
Surr: Triphenyl phosphate	103	70 - 130		%Rec	1	3/18/2023 3:08:00 PM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: JAP
SVOC BY 8270E						
Benzoic acid	ND	15.5		µg/L	1	3/16/2023 12:47:00 AM
2,6-Dinitrotoluene	ND	0.971		µg/L	1	3/16/2023 12:47:00 AM
2-Butoxyethanol	ND	29.1		µg/L	1	3/21/2023 3:56:00 PM
2-Methylnaphthalene	ND	0.971		µg/L	1	3/16/2023 12:47:00 AM
3,3'-Dichlorobenzidine	ND	9.71		µg/L	1	3/16/2023 12:47:00 AM
4-Nitrophenol	ND	4.85		µg/L	1	3/16/2023 12:47:00 AM
Acenaphthene	ND	0.971		µg/L	1	3/16/2023 12:47:00 AM
Bis(2-chloroethyl) ether	ND	0.971		µg/L	1	3/16/2023 12:47:00 AM
Di-n-octyl phthalate	ND	4.85		µg/L	1	3/16/2023 12:47:00 AM
Fluoranthene	ND	0.971	QC-	µg/L	1	3/16/2023 12:47:00 AM
Naphthalene	ND	0.971		µg/L	1	3/16/2023 12:47:00 AM
Phenol	ND	0.971		µg/L	1	3/16/2023 12:47:00 AM
3&4-Methylphenol	ND	0.971		µg/L	1	3/16/2023 12:47:00 AM
Surr: 2-Fluorophenol	55.0	20 - 130		%Rec	1	3/16/2023 12:47:00 AM
Surr: 2-Fluorophenol	45.1	20 - 130	m	%Rec	1	3/21/2023 3:56:00 PM
Surr: Phenol-d6	28.8	20 - 130		%Rec	1	3/21/2023 3:56:00 PM
Surr: Phenol-d6	23.2	20 - 130		%Rec	1	3/16/2023 12:47:00 AM
Surr: Nitrobenzene-d5	57.1	27.4 - 130		%Rec	1	3/21/2023 3:56:00 PM
Surr: Nitrobenzene-d5	78.7	27.4 - 130		%Rec	1	3/16/2023 12:47:00 AM
Surr: 2,4,6-Tribromophenol	86.9	54.3 - 133		%Rec	1	3/21/2023 3:56:00 PM
Surr: 2,4,6-Tribromophenol	77.8	54.3 - 133		%Rec	1	3/16/2023 12:47:00 AM
Surr: 2-Fluorobiphenyl	83.7	25.6 - 130		%Rec	1	3/16/2023 12:47:00 AM
Surr: 2-Fluorobiphenyl	65.4	25.6 - 130		%Rec	1	3/21/2023 3:56:00 PM
Surr: p-Terphenyl-d14	99.5	20 - 181		%Rec	1	3/16/2023 12:47:00 AM
Surr: p-Terphenyl-d14	77.1	20 - 181		%Rec	1	3/21/2023 3:56:00 PM

DRINKING WATER VOCs (EPA 524.2) **E524.2** Analyst: **ALS**
VOC-GC/MS (524.2)

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 3:50:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-002 **Matrix:** DRINKING WATER
Client Sample ID: SMW-4 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,3,5-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/10/2023 6:47:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
2-Hexanone	ND	5.00		µg/L	1	3/10/2023 6:47:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/10/2023 6:47:00 PM
Acetone	ND	5.00		µg/L	1	3/10/2023 6:47:00 PM
Benzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Bromoform	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Bromomethane	ND	1.00		µg/L	1	3/10/2023 6:47:00 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Chlorobromomethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Chlorodibromomethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Chloroethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 3:50:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-002 **Matrix:** DRINKING WATER
Client Sample ID: SMW-4 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
Chloroform	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Chloromethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Ethylbenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Isopropylbenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
m,p-Xylene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Methylene chloride	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
MTBE	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
n-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
n-Propylbenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
o-Xylene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
sec-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Styrene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/10/2023 6:47:00 PM
tert-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Tetrachloroethene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Toluene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Trichloroethene	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Vinyl chloride	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Xylenes, Total	ND	0.500		µg/L	1	3/10/2023 6:47:00 PM
Surr: 1,2-Dichlorobenzene-d4	82.5	70 - 130		%Rec	1	3/10/2023 6:47:00 PM
Surr: 4-Bromofluorobenzene	78.6	70 - 130		%Rec	1	3/10/2023 6:47:00 PM

VOC ANALYSIS (8260D) **SW8260** Analyst: ZDA
VOC BY GC/MS (8260D)

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

Original



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

Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 3:50:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-002 **Matrix:** DRINKING WATER
Client Sample ID: SMW-4 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC ANALYSIS (8260D)				SW8260	Analyst: ZDA	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
1,3-Butadiene	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
1,4-Dioxane	ND	25.0		µg/L	1	3/13/2023 5:26:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
2-Butanone	ND	25.0		µg/L	1	3/13/2023 5:26:00 PM
2-Nitropropane	ND	50.0		µg/L	1	3/13/2023 5:26:00 PM
Acrylonitrile (2-propenenitrile)	ND	30.0		µg/L	1	3/13/2023 5:26:00 PM
Allyl chloride	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Chloroprene	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Cyclohexanone	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Ethyl Ether	ND	10.0		µg/L	1	3/13/2023 5:26:00 PM
Epichlorohydrin	ND	20.0		µg/L	1	3/13/2023 5:26:00 PM
ETBE	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Ethyl acrylate	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Ethyl methacrylate	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Hexachloroethane	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Methacrylonitrile	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Methyl acrylate	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Methyl methacrylate	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Propionitrile	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Vinyl acetate	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/13/2023 5:26:00 PM
Surr: 4-Bromofluorobenzene	97.0	70 - 130		%Rec	1	3/13/2023 5:26:00 PM
Surr: Dibromofluoromethane	100	70 - 130		%Rec	1	3/13/2023 5:26:00 PM
Surr: Toluene-d8	98.9	70 - 130		%Rec	1	3/13/2023 5:26:00 PM

VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: ZDA	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/13/2023 5:26:00 PM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/13/2023 5:26:00 PM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/13/2023 5:26:00 PM

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

Original



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

Analytical Report

(consolidated)

WO#: **23030669**

Date Reported: **3/22/2023**

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 3:50:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-002 **Matrix:** DRINKING WATER
Client Sample ID: SMW-4 EP Vil Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: ZDA	
TIC: 2-Ethylhexyl acrylate	ND	J		µg/L	1	3/13/2023 5:26:00 PM
TIC: Benzyl chloride	ND	J		µg/L	1	3/13/2023 5:26:00 PM
TIC: Bromoethane	ND	J		µg/L	1	3/13/2023 5:26:00 PM
TIC: Chloroacetonitrile	ND	J		µg/L	1	3/13/2023 5:26:00 PM
TIC: n-Butyl acrylate	ND	J		µg/L	1	3/13/2023 5:26:00 PM
TIC: Pentachloroethane	ND	J		µg/L	1	3/13/2023 5:26:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW

Collection Date: 3/9/2023 1:30:00 PM

Project: Ohio EPA PWS-EP

Lab ID: 23030669-003

Matrix: DRINKING WATER

Client Sample ID: SMW-3FB Field Blank

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GLYCOLS (8015)		SW8015C			Analyst: JDB	
Diethylene glycol	ND	5000		µg/L	1	3/11/2023 8:48:00 PM
Ethylene glycol	ND	5000		µg/L	1	3/11/2023 8:48:00 PM
Propylene glycol	ND	5000		µg/L	1	3/11/2023 8:48:00 PM
Triethylene glycol	ND	5000		µg/L	1	3/11/2023 8:48:00 PM
EPA504.-DW		E504.1			Analyst: PGP	
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/15/2023 2:44:00 PM
Ethylene dibromide	ND	0.0200		µg/L	1	3/15/2023 2:44:00 PM
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)		E525			Analyst: CSS	
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
2,4-Dinitrotoluene	ND	0.198		µg/L	1	3/18/2023 3:54:00 PM
Acenaphthylene	ND	0.0990		µg/L	1	3/18/2023 3:54:00 PM
Anthracene	ND	0.0990		µg/L	1	3/18/2023 3:54:00 PM
Benzo(a)anthracene	ND	0.0990		µg/L	1	3/18/2023 3:54:00 PM
Benzo(a)pyrene	ND	0.0990	QL-	µg/L	1	3/18/2023 3:54:00 PM
Benzo(b)fluoranthene	ND	0.0990	QL-	µg/L	1	3/18/2023 3:54:00 PM
Benzo(g,h,i)perylene	ND	0.0990	QL-	µg/L	1	3/18/2023 3:54:00 PM
Benzo(k)fluoranthene	ND	0.0990	QL-	µg/L	1	3/18/2023 3:54:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.198	QL-	µg/L	1	3/18/2023 3:54:00 PM
Butyl benzyl phthalate	ND	0.198		µg/L	1	3/18/2023 3:54:00 PM
Chrysene	ND	0.0990		µg/L	1	3/18/2023 3:54:00 PM
Dibenz(a,h)anthracene	ND	0.0990	QL-	µg/L	1	3/18/2023 3:54:00 PM
Diethyl phthalate	ND	0.0990	MB+	µg/L	1	3/18/2023 3:54:00 PM
Dimethyl phthalate	ND	0.198		µg/L	1	3/18/2023 3:54:00 PM
Di-n-butyl phthalate	ND	0.198		µg/L	1	3/18/2023 3:54:00 PM
Fluorene	ND	0.0990		µg/L	1	3/18/2023 3:54:00 PM
Hexachlorobenzene	ND	0.0990		µg/L	1	3/18/2023 3:54:00 PM
Hexachlorocyclopentadiene	ND	0.0990	QL-	µg/L	1	3/18/2023 3:54:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.990	QL-	µg/L	1	3/18/2023 3:54:00 PM
Isophorone	ND	0.198	QL-	µg/L	1	3/18/2023 3:54:00 PM
Phenanthrene	ND	0.0990		µg/L	1	3/18/2023 3:54:00 PM
Pyrene	ND	0.0990		µg/L	1	3/18/2023 3:54:00 PM

Qualifiers:			
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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#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030669-003
Client Sample ID: SMW-3FB Field Blank

Collection Date: 3/9/2023 1:30:00 PM

Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)					E525	
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)					525	Analyst: CSS
Surr: 1,3-Dimethyl-2-nitrobenz...	55.4	70 - 130	S	%Rec	1	3/18/2023 3:54:00 PM
Surr: Benzo(a)pyrene-d12	75.0	70 - 130		%Rec	1	3/18/2023 3:54:00 PM
Surr: Triphenyl phosphate	93.2	70 - 130		%Rec	1	3/18/2023 3:54:00 PM
SVOC BY SW8270E					SW8270	
SVOC BY 8270E					SW3510C	Analyst: JAP
Benzoic acid	ND	15.5		µg/L	1	3/16/2023 1:18:00 AM
2,6-Dinitrotoluene	ND	0.971		µg/L	1	3/16/2023 1:18:00 AM
2-Butoxyethanol	ND	29.1		µg/L	1	3/21/2023 4:27:00 PM
2-Methylnaphthalene	ND	0.971		µg/L	1	3/16/2023 1:18:00 AM
3,3'-Dichlorobenzidine	ND	9.71		µg/L	1	3/16/2023 1:18:00 AM
4-Nitrophenol	ND	4.85		µg/L	1	3/16/2023 1:18:00 AM
Acenaphthene	ND	0.971		µg/L	1	3/16/2023 1:18:00 AM
Bis(2-chloroethyl) ether	ND	0.971		µg/L	1	3/16/2023 1:18:00 AM
Di-n-octyl phthalate	ND	4.85		µg/L	1	3/16/2023 1:18:00 AM
Fluoranthene	ND	0.971	QC-	µg/L	1	3/16/2023 1:18:00 AM
Naphthalene	ND	0.971		µg/L	1	3/16/2023 1:18:00 AM
Phenol	ND	0.971		µg/L	1	3/16/2023 1:18:00 AM
3&4-Methylphenol	ND	0.971		µg/L	1	3/16/2023 1:18:00 AM
Surr: 2-Fluorophenol	35.2	20 - 130		%Rec	1	3/16/2023 1:18:00 AM
Surr: 2-Fluorophenol	48.8	20 - 130	m	%Rec	1	3/21/2023 4:27:00 PM
Surr: Phenol-d6	29.9	20 - 130		%Rec	1	3/21/2023 4:27:00 PM
Surr: Phenol-d6	25.9	20 - 130	m	%Rec	1	3/16/2023 1:18:00 AM
Surr: Nitrobenzene-d5	60.9	27.4 - 130		%Rec	1	3/21/2023 4:27:00 PM
Surr: Nitrobenzene-d5	54.9	27.4 - 130		%Rec	1	3/16/2023 1:18:00 AM
Surr: 2,4,6-Tribromophenol	91.3	54.3 - 133		%Rec	1	3/21/2023 4:27:00 PM
Surr: 2,4,6-Tribromophenol	79.9	54.3 - 133		%Rec	1	3/16/2023 1:18:00 AM
Surr: 2-Fluorobiphenyl	132	25.6 - 130	S	%Rec	1	3/16/2023 1:18:00 AM
Surr: 2-Fluorobiphenyl	67.5	25.6 - 130		%Rec	1	3/21/2023 4:27:00 PM
Surr: p-Terphenyl-d14	98.1	20 - 181		%Rec	1	3/16/2023 1:18:00 AM
Surr: p-Terphenyl-d14	76.5	20 - 181		%Rec	1	3/21/2023 4:27:00 PM
DRINKING WATER VOCs (EPA 524.2)					E524.2	
VOC-GC/MS (524.2)						Analyst: ALS

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

Original



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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW

Collection Date: 3/9/2023 1:30:00 PM

Project: Ohio EPA PWS-EP

Lab ID: 23030669-003

Matrix: DRINKING WATER

Client Sample ID: SMW-3FB Field Blank

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,3,5-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/10/2023 7:16:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
2-Hexanone	ND	5.00		µg/L	1	3/10/2023 7:16:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/10/2023 7:16:00 PM
Acetone	5.98	5.00		µg/L	1	3/10/2023 7:16:00 PM
Benzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Bromoform	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Bromomethane	ND	1.00		µg/L	1	3/10/2023 7:16:00 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Chlorobromomethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Chlorodibromomethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Chloroethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM

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

Original



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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030669-003
Client Sample ID: SMW-3FB Field Blank

Collection Date: 3/9/2023 1:30:00 PM

Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
Chloroform	0.563	0.500		µg/L	1	3/10/2023 7:16:00 PM
Chloromethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Ethylbenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Isopropylbenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
m,p-Xylene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Methylene chloride	15.8	0.500	*	µg/L	1	3/10/2023 7:16:00 PM
MTBE	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
n-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
n-Propylbenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
o-Xylene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
sec-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Styrene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/10/2023 7:16:00 PM
tert-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Tetrachloroethene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Toluene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Trichloroethene	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Vinyl chloride	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Xylenes, Total	ND	0.500		µg/L	1	3/10/2023 7:16:00 PM
Surr: 1,2-Dichlorobenzene-d4	89.9	70 - 130		%Rec	1	3/10/2023 7:16:00 PM
Surr: 4-Bromofluorobenzene	82.0	70 - 130		%Rec	1	3/10/2023 7:16:00 PM

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

SW8260

Analyst: ZDA

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW

Collection Date: 3/9/2023 1:30:00 PM

Project: Ohio EPA PWS-EP

Lab ID: 23030669-003

Matrix: DRINKING WATER

Client Sample ID: SMW-3FB Field Blank

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC ANALYSIS (8260D)				SW8260	Analyst: ZDA	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
1,3-Butadiene	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
1,4-Dioxane	ND	25.0		µg/L	1	3/13/2023 5:49:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
2-Butanone	ND	25.0		µg/L	1	3/13/2023 5:49:00 PM
2-Nitropropane	ND	50.0		µg/L	1	3/13/2023 5:49:00 PM
Acrylonitrile (2-propenenitrile)	ND	30.0		µg/L	1	3/13/2023 5:49:00 PM
Allyl chloride	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Chloroprene	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Cyclohexanone	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Ethyl Ether	ND	10.0		µg/L	1	3/13/2023 5:49:00 PM
Epichlorohydrin	ND	20.0		µg/L	1	3/13/2023 5:49:00 PM
ETBE	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Ethyl acrylate	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Ethyl methacrylate	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Hexachloroethane	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Methacrylonitrile	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Methyl acrylate	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Methyl methacrylate	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Propionitrile	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Vinyl acetate	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/13/2023 5:49:00 PM
Surr: 4-Bromofluorobenzene	94.0	70 - 130		%Rec	1	3/13/2023 5:49:00 PM
Surr: Dibromofluoromethane	102	70 - 130		%Rec	1	3/13/2023 5:49:00 PM
Surr: Toluene-d8	98.6	70 - 130		%Rec	1	3/13/2023 5:49:00 PM

VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: ZDA	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/13/2023 5:49:00 PM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/13/2023 5:49:00 PM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/13/2023 5:49:00 PM

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

Original



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

Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW

Collection Date: 3/9/2023 1:30:00 PM

Project: Ohio EPA PWS-EP

Lab ID: 23030669-003

Matrix: DRINKING WATER

Client Sample ID: SMW-3FB Field Blank

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: ZDA	
TIC: 2-Ethylhexyl acrylate	ND	J		µg/L	1	3/13/2023 5:49:00 PM
TIC: Benzyl chloride	ND	J		µg/L	1	3/13/2023 5:49:00 PM
TIC: Bromoethane	ND	J		µg/L	1	3/13/2023 5:49:00 PM
TIC: Chloroacetonitrile	ND	J		µg/L	1	3/13/2023 5:49:00 PM
TIC: n-Butyl acrylate	ND	J		µg/L	1	3/13/2023 5:49:00 PM
TIC: Pentachloroethane	ND	J		µg/L	1	3/13/2023 5:49:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 10:10:00 AM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-004 **Matrix:** DRINKING WATER
Client Sample ID: SMW-2 EP Vil Sent Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GLYCOLS (8015)		SW8015C			Analyst: JDB	
Diethylene glycol	ND	5000		µg/L	1	3/11/2023 9:25:00 PM
Ethylene glycol	ND	5000		µg/L	1	3/11/2023 9:25:00 PM
Propylene glycol	ND	5000		µg/L	1	3/11/2023 9:25:00 PM
Triethylene glycol	ND	5000		µg/L	1	3/11/2023 9:25:00 PM
EPA504.-DW		E504.1			E504.1 Analyst: PGP	
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/15/2023 3:05:00 PM
Ethylene dibromide	ND	0.0200		µg/L	1	3/15/2023 3:05:00 PM
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)		E525			525 Analyst: CSS	
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
2,4-Dinitrotoluene	ND	0.194		µg/L	1	3/18/2023 4:40:00 PM
Acenaphthylene	ND	0.0971		µg/L	1	3/18/2023 4:40:00 PM
Anthracene	ND	0.0971		µg/L	1	3/18/2023 4:40:00 PM
Benzo(a)anthracene	ND	0.0971		µg/L	1	3/18/2023 4:40:00 PM
Benzo(a)pyrene	ND	0.0971	QL-	µg/L	1	3/18/2023 4:40:00 PM
Benzo(b)fluoranthene	ND	0.0971	QL-	µg/L	1	3/18/2023 4:40:00 PM
Benzo(g,h,i)perylene	ND	0.0971	QL-	µg/L	1	3/18/2023 4:40:00 PM
Benzo(k)fluoranthene	ND	0.0971	QL-	µg/L	1	3/18/2023 4:40:00 PM
Bis(2-ethylhexyl) phthalate	0.136	0.194	JQL-	µg/L	1	3/18/2023 4:40:00 PM
Butyl benzyl phthalate	ND	0.194		µg/L	1	3/18/2023 4:40:00 PM
Chrysene	ND	0.0971		µg/L	1	3/18/2023 4:40:00 PM
Dibenz(a,h)anthracene	ND	0.0971	QL-	µg/L	1	3/18/2023 4:40:00 PM
Diethyl phthalate	ND	0.0971	MB+	µg/L	1	3/18/2023 4:40:00 PM
Dimethyl phthalate	ND	0.194		µg/L	1	3/18/2023 4:40:00 PM
Di-n-butyl phthalate	ND	0.194		µg/L	1	3/18/2023 4:40:00 PM
Fluorene	ND	0.0971		µg/L	1	3/18/2023 4:40:00 PM
Hexachlorobenzene	ND	0.0971		µg/L	1	3/18/2023 4:40:00 PM
Hexachlorocyclopentadiene	ND	0.0971	QL-	µg/L	1	3/18/2023 4:40:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.971	QL-	µg/L	1	3/18/2023 4:40:00 PM
Isophorone	ND	0.194	QL-	µg/L	1	3/18/2023 4:40:00 PM
Phenanthrene	ND	0.0971		µg/L	1	3/18/2023 4:40:00 PM
Pyrene	ND	0.0971		µg/L	1	3/18/2023 4:40:00 PM

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

Original



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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 10:10:00 AM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-004 **Matrix:** DRINKING WATER
Client Sample ID: SMW-2 EP Vil Sent Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)					E525	525
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						Analyst: CSS

Surr: 1,3-Dimethyl-2-nitrobenzene	54.6	70 - 130	S	%Rec	1	3/18/2023 4:40:00 PM
Surr: Benzo(a)pyrene-d12	70.8	70 - 130		%Rec	1	3/18/2023 4:40:00 PM
Surr: Triphenyl phosphate	95.8	70 - 130		%Rec	1	3/18/2023 4:40:00 PM

SVOC BY SW8270E	Result	PQL	Qual	Units	DF	Date Analyzed
SVOC BY 8270E					SW8270	SW3510C
						Analyst: JAP

Benzoic acid	ND	15.5		µg/L	1	3/16/2023 1:50:00 AM
2,6-Dinitrotoluene	ND	0.971		µg/L	1	3/16/2023 1:50:00 AM
2-Butoxyethanol	ND	29.1		µg/L	1	3/21/2023 4:59:00 PM
2-Methylnaphthalene	ND	0.971		µg/L	1	3/16/2023 1:50:00 AM
3,3'-Dichlorobenzidine	ND	9.71		µg/L	1	3/16/2023 1:50:00 AM
4-Nitrophenol	ND	4.85		µg/L	1	3/16/2023 1:50:00 AM
Acenaphthene	ND	0.971		µg/L	1	3/16/2023 1:50:00 AM
Bis(2-chloroethyl) ether	ND	0.971		µg/L	1	3/16/2023 1:50:00 AM
Di-n-octyl phthalate	ND	4.85		µg/L	1	3/16/2023 1:50:00 AM
Fluoranthene	ND	0.971	QC-	µg/L	1	3/16/2023 1:50:00 AM
Naphthalene	ND	0.971		µg/L	1	3/16/2023 1:50:00 AM
Phenol	ND	0.971		µg/L	1	3/16/2023 1:50:00 AM
3&4-Methylphenol	ND	0.971		µg/L	1	3/16/2023 1:50:00 AM
Surr: 2-Fluorophenol	27.7	20 - 130		%Rec	1	3/16/2023 1:50:00 AM
Surr: 2-Fluorophenol	34.4	20 - 130	m	%Rec	1	3/21/2023 4:59:00 PM
Surr: Phenol-d6	22.6	20 - 130		%Rec	1	3/21/2023 4:59:00 PM
Surr: Phenol-d6	20.1	20 - 130		%Rec	1	3/16/2023 1:50:00 AM
Surr: Nitrobenzene-d5	46.0	27.4 - 130		%Rec	1	3/21/2023 4:59:00 PM
Surr: Nitrobenzene-d5	69.4	27.4 - 130		%Rec	1	3/16/2023 1:50:00 AM
Surr: 2,4,6-Tribromophenol	85.6	54.3 - 133		%Rec	1	3/21/2023 4:59:00 PM
Surr: 2,4,6-Tribromophenol	69.3	54.3 - 133		%Rec	1	3/16/2023 1:50:00 AM
Surr: 2-Fluorobiphenyl	72.0	25.6 - 130		%Rec	1	3/16/2023 1:50:00 AM
Surr: 2-Fluorobiphenyl	54.9	25.6 - 130		%Rec	1	3/21/2023 4:59:00 PM
Surr: p-Terphenyl-d14	89.6	20 - 181		%Rec	1	3/16/2023 1:50:00 AM
Surr: p-Terphenyl-d14	72.5	20 - 181		%Rec	1	3/21/2023 4:59:00 PM

DRINKING WATER VOCs (EPA 524.2)	Result	PQL	Qual	Units	DF	Date Analyzed
VOC-GC/MS (524.2)					E524.2	Analyst: ALS

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 10:10:00 AM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-004 **Matrix:** DRINKING WATER
Client Sample ID: SMW-2 EP Vil Sent Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,3,5-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/10/2023 7:45:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
2-Hexanone	ND	5.00		µg/L	1	3/10/2023 7:45:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/10/2023 7:45:00 PM
Acetone	ND	5.00		µg/L	1	3/10/2023 7:45:00 PM
Benzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Bromoform	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Bromomethane	ND	1.00		µg/L	1	3/10/2023 7:45:00 PM
Carbon tetrachloride	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Chlorobromomethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Chlorodibromomethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Chloroethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 10:10:00 AM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-004 **Matrix:** DRINKING WATER
Client Sample ID: SMW-2 EP Vil Sent Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
Chloroform	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Chloromethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Ethylbenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Isopropylbenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
m,p-Xylene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Methylene chloride	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
MTBE	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
n-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
n-Propylbenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
o-Xylene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
sec-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Styrene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/10/2023 7:45:00 PM
tert-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Tetrachloroethene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Toluene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Trichloroethene	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Vinyl chloride	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Xylenes, Total	ND	0.500		µg/L	1	3/10/2023 7:45:00 PM
Surr: 1,2-Dichlorobenzene-d4	86.7	70 - 130		%Rec	1	3/10/2023 7:45:00 PM
Surr: 4-Bromofluorobenzene	81.6	70 - 130		%Rec	1	3/10/2023 7:45:00 PM

VOC ANALYSIS (8260D) **SW8260** Analyst: ZDA
VOC BY GC/MS (8260D)

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW

Collection Date: 3/9/2023 10:10:00 AM

Project: Ohio EPA PWS-EP

Lab ID: 23030669-004

Matrix: DRINKING WATER

Client Sample ID: SMW-2 EP Vil Sent Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC ANALYSIS (8260D)				SW8260	Analyst: ZDA	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
1,3-Butadiene	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
1,4-Dioxane	ND	25.0		µg/L	1	3/13/2023 6:12:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
2-Butanone	ND	25.0		µg/L	1	3/13/2023 6:12:00 PM
2-Nitropropane	ND	50.0		µg/L	1	3/13/2023 6:12:00 PM
Acrylonitrile (2-propenenitrile)	ND	30.0		µg/L	1	3/13/2023 6:12:00 PM
Allyl chloride	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Chloroprene	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Cyclohexanone	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Ethyl Ether	ND	10.0		µg/L	1	3/13/2023 6:12:00 PM
Epichlorohydrin	ND	20.0		µg/L	1	3/13/2023 6:12:00 PM
ETBE	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Ethyl acrylate	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Ethyl methacrylate	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Hexachloroethane	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Methacrylonitrile	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Methyl acrylate	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Methyl methacrylate	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Propionitrile	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Vinyl acetate	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/13/2023 6:12:00 PM
Surr: 4-Bromofluorobenzene	95.4	70 - 130		%Rec	1	3/13/2023 6:12:00 PM
Surr: Dibromofluoromethane	101	70 - 130		%Rec	1	3/13/2023 6:12:00 PM
Surr: Toluene-d8	99.8	70 - 130		%Rec	1	3/13/2023 6:12:00 PM

VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: ZDA	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/13/2023 6:12:00 PM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/13/2023 6:12:00 PM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/13/2023 6:12:00 PM

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

Original



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

Analytical Report

(consolidated)

WO#: **23030669**

Date Reported: **3/22/2023**

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/9/2023 10:10:00 AM
Project: Ohio EPA PWS-EP
Lab ID: 23030669-004 **Matrix:** DRINKING WATER
Client Sample ID: SMW-2 EP Vil Sent Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)

SW8260

Analyst: **ZDA**

TIC: 2-Ethylhexyl acrylate	ND	J		µg/L	1	3/13/2023 6:12:00 PM
TIC: Benzyl chloride	ND	J		µg/L	1	3/13/2023 6:12:00 PM
TIC: Bromoethane	ND	J		µg/L	1	3/13/2023 6:12:00 PM
TIC: Chloroacetonitrile	ND	J		µg/L	1	3/13/2023 6:12:00 PM
TIC: n-Butyl acrylate	ND	J		µg/L	1	3/13/2023 6:12:00 PM
TIC: Pentachloroethane	ND	J		µg/L	1	3/13/2023 6:12:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030669-005

Matrix: DRINKING WATER

Client Sample ID: Trip Blank-1

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA504.-DW					E504.1	E504.1
EDB, DBCP, 123TCP BY GC (EPA 504.1)						Analyst: PGP
Dibromochloropropane	ND	0.0400		µg/L	1	3/15/2023 3:26:00 PM
Ethylene dibromide	ND	0.0200		µg/L	1	3/15/2023 3:26:00 PM
DRINKING WATER VOCS (EPA 524.2)					E524.2	Analyst: ALS
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,3,5-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/10/2023 4:52:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
2-Hexanone	ND	5.00		µg/L	1	3/10/2023 4:52:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/10/2023 4:52:00 PM
Acetone	ND	5.00		µg/L	1	3/10/2023 4:52:00 PM
Benzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Bromoform	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Bromomethane	ND	1.00		µg/L	1	3/10/2023 4:52:00 PM

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

Original



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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030669-005
Client Sample ID: Trip Blank-1

Collection Date:
Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCs (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
Carbon tetrachloride	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Chlorobromomethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Chlorodibromomethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Chloroethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Chloroform	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Chloromethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Ethylbenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Isopropylbenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
m,p-Xylene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Methylene chloride	1.04	0.500		µg/L	1	3/10/2023 4:52:00 PM
MTBE	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
n-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
n-Propylbenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
o-Xylene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
sec-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Styrene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/10/2023 4:52:00 PM
tert-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Tetrachloroethene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Toluene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Trichloroethene	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Vinyl chloride	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM
Xylenes, Total	ND	0.500		µg/L	1	3/10/2023 4:52:00 PM

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

Original



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

Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030669-005

Matrix: DRINKING WATER

Client Sample ID: Trip Blank-1

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
Surr: 1,2-Dichlorobenzene-d4	88.5	70	-	%Rec	1	3/10/2023 4:52:00 PM
Surr: 4-Bromofluorobenzene	81.8	70	-	%Rec	1	3/10/2023 4:52:00 PM
VOC ANALYSIS (8260D)				SW8260	Analyst: ZDA	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
1,3-Butadiene	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
1,4-Dioxane	ND	25.0		µg/L	1	3/13/2023 4:16:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
2-Butanone	ND	25.0		µg/L	1	3/13/2023 4:16:00 PM
2-Nitropropane	ND	50.0		µg/L	1	3/13/2023 4:16:00 PM
Acrylonitrile (2-propenenitrile)	ND	30.0		µg/L	1	3/13/2023 4:16:00 PM
Allyl chloride	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Chloroprene	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Cyclohexanone	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Ethyl Ether	ND	10.0		µg/L	1	3/13/2023 4:16:00 PM
Epichlorohydrin	ND	20.0		µg/L	1	3/13/2023 4:16:00 PM
ETBE	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Ethyl acrylate	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Ethyl methacrylate	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Hexachloroethane	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Methacrylonitrile	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Methyl acrylate	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Methyl methacrylate	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Propionitrile	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Vinyl acetate	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/13/2023 4:16:00 PM
Surr: 4-Bromofluorobenzene	95.1	70	-	%Rec	1	3/13/2023 4:16:00 PM
Surr: Dibromofluoromethane	99.0	70	-	%Rec	1	3/13/2023 4:16:00 PM
Surr: Toluene-d8	96.0	70	-	%Rec	1	3/13/2023 4:16:00 PM

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

Original



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Analytical Report

(consolidated)

WO#: **23030669**

Date Reported: **3/22/2023**

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030669-005

Matrix: DRINKING WATER

Client Sample ID: Trip Blank-1

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)		SW8260			Analyst: ZDA	
TIC: 1-Chlorobutane	ND	J		µg/L	1	3/13/2023 4:16:00 PM
TIC: 1-Methylnaphthalene	ND	J		µg/L	1	3/13/2023 4:16:00 PM
TIC: 2-Butyloxyethyl acetate	ND	J		µg/L	1	3/13/2023 4:16:00 PM
TIC: 2-Ethylhexyl acrylate	ND	J		µg/L	1	3/13/2023 4:16:00 PM
TIC: Benzyl chloride	ND	J		µg/L	1	3/13/2023 4:16:00 PM
TIC: Bromoethane	ND	J		µg/L	1	3/13/2023 4:16:00 PM
TIC: Chloroacetonitrile	ND	J		µg/L	1	3/13/2023 4:16:00 PM
TIC: n-Butyl acrylate	ND	J		µg/L	1	3/13/2023 4:16:00 PM
TIC: Pentachloroethane	ND	J		µg/L	1	3/13/2023 4:16:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030669-006
Client Sample ID: Trip Blank-2

Collection Date:

Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA504.-DW				E504.1	E504.1	Analyst: PGP
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/15/2023 3:47:00 PM
Ethylene dibromide	ND	0.0200		µg/L	1	3/15/2023 3:47:00 PM
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,3,5-Trimethylbenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/10/2023 5:20:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
2-Hexanone	ND	5.00		µg/L	1	3/10/2023 5:20:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/10/2023 5:20:00 PM
Acetone	ND	5.00		µg/L	1	3/10/2023 5:20:00 PM
Benzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Bromoform	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Bromomethane	ND	1.00		µg/L	1	3/10/2023 5:20:00 PM

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

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Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030669-006
Client Sample ID: Trip Blank-2

Collection Date:
Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ALS	
VOC-GC/MS (524.2)						
Carbon tetrachloride	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Chlorobromomethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Chlorodibromomethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Chloroethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Chloroform	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Chloromethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Ethylbenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Isopropylbenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
m,p-Xylene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Methylene chloride	0.883	0.500		µg/L	1	3/10/2023 5:20:00 PM
MTBE	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
n-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
n-Propylbenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
o-Xylene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
sec-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Styrene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/10/2023 5:20:00 PM
tert-Butylbenzene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Tetrachloroethene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Toluene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Trichloroethene	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Vinyl chloride	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM
Xylenes, Total	ND	0.500		µg/L	1	3/10/2023 5:20:00 PM

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

Original



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

Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030669-006
Client Sample ID: Trip Blank-2

Collection Date:
Matrix: DRINKING WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ALS
VOC-GC/MS (524.2)						
Surr: 1,2-Dichlorobenzene-d4	88.0	70	-	%Rec	1	3/10/2023 5:20:00 PM
Surr: 4-Bromofluorobenzene	83.1	70	-	%Rec	1	3/10/2023 5:20:00 PM
VOC ANALYSIS (8260D)				SW8260		Analyst: ZDA
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
1,3-Butadiene	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
1,4-Dioxane	ND	25.0		µg/L	1	3/13/2023 4:39:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
2-Butanone	ND	25.0		µg/L	1	3/13/2023 4:39:00 PM
2-Nitropropane	ND	50.0		µg/L	1	3/13/2023 4:39:00 PM
Acrylonitrile (2-propenenitrile)	ND	30.0		µg/L	1	3/13/2023 4:39:00 PM
Allyl chloride	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Chloroprene	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Cyclohexanone	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Ethyl Ether	ND	10.0		µg/L	1	3/13/2023 4:39:00 PM
Epichlorohydrin	ND	20.0		µg/L	1	3/13/2023 4:39:00 PM
ETBE	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Ethyl acrylate	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Ethyl methacrylate	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Hexachloroethane	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Methacrylonitrile	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Methyl acrylate	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Methyl methacrylate	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Propionitrile	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Vinyl acetate	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/13/2023 4:39:00 PM
Surr: 4-Bromofluorobenzene	95.9	70	-	%Rec	1	3/13/2023 4:39:00 PM
Surr: Dibromofluoromethane	101	70	-	%Rec	1	3/13/2023 4:39:00 PM
Surr: Toluene-d8	99.4	70	-	%Rec	1	3/13/2023 4:39:00 PM

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

Original



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

Analytical Report

(consolidated)

WO#: 23030669

Date Reported: 3/22/2023

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030669-006

Matrix: DRINKING WATER

Client Sample ID: Trip Blank-2

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)		SW8260			Analyst: ZDA	
TIC: 1-Chlorobutane	ND	J		µg/L	1	3/13/2023 4:39:00 PM
TIC: 1-Methylnaphthalene	ND	J		µg/L	1	3/13/2023 4:39:00 PM
TIC: 2-Butyloxyethyl acetate	ND	J		µg/L	1	3/13/2023 4:39:00 PM
TIC: 2-Ethylhexyl acrylate	ND	J		µg/L	1	3/13/2023 4:39:00 PM
TIC: Benzyl chloride	ND	J		µg/L	1	3/13/2023 4:39:00 PM
TIC: Bromoethane	ND	J		µg/L	1	3/13/2023 4:39:00 PM
TIC: Chloroacetonitrile	ND	J		µg/L	1	3/13/2023 4:39:00 PM
TIC: n-Butyl acrylate	ND	J		µg/L	1	3/13/2023 4:39:00 PM
TIC: Pentachloroethane	ND	J		µg/L	1	3/13/2023 4:39:00 PM

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

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: 63468

Sample ID: MB-63468	SampType: MBLK	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/13/2023	RunNo: 159847						
Client ID: PBW	Batch ID: 63468	TestNo: SW8270	SW3510C	Analysis Date: 3/14/2023	SeqNo: 4248091						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	ND	5.00		0	0						
2-Methylnaphthalene	ND	5.00		0	0						
3,3'-Dichlorobenzidine	ND	20.0		0	0						
4-Nitrophenol	ND	5.00		0	0						
Acenaphthene	ND	5.00		0	0						
Bis(2-chloroethyl) ether	ND	5.00		0	0						
Di-n-octyl phthalate	ND	5.00		0	0						
Fluoranthene	ND	5.00		0	0						
Naphthalene	ND	5.00		0	0						
Phenol	ND	20.0		0	0						
3&4-Methylphenol	ND	5.00		0	0						
Surr: 2-Fluorophenol	0.0261		0.05000		52.2	20	130				
Surr: Phenol-d6	0.0184		0.05000		36.9	20	130				
Surr: Nitrobenzene-d5	0.0436		0.05000		87.1	27.4	130				
Surr: 2,4,6-Tribromophenol	0.0477		0.05000		95.5	54.3	133				
Surr: 2-Fluorobiphenyl	0.0477		0.05000		95.4	25.6	130				
Surr: p-Terphenyl-d14	0.0572		0.05000		114	20	181				

Sample ID: LCS-63468	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/13/2023	RunNo: 159847						
Client ID: LCSW	Batch ID: 63468	TestNo: SW8270	SW3510C	Analysis Date: 3/14/2023	SeqNo: 4248092						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	40.2	5.00	40.0	0	100	64.9	130				
2-Methylnaphthalene	35.4	5.00	40.0	0	88.5	32.8	130				
3,3'-Dichlorobenzidine	79.3	20.0	80.0	0	99.2	10	281				

Qualifiers:

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 container temperature is out of limit as specified at testcode				

Original



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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: 63468

Sample ID: LCS-63468	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/13/2023	RunNo: 159847						
Client ID: LCSW	Batch ID: 63468	TestNo: SW8270	SW3510C	Analysis Date: 3/14/2023	SeqNo: 4248092						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	21.9	5.00	40.0	0	54.8	25.1	130				
Acenaphthene	39.0	5.00	40.0	0	97.4	43.7	130				
Bis(2-chloroethyl) ether	30.8	5.00	40.0	0	76.9	15.6	130				
Di-n-octyl phthalate	43.0	5.00	40.0	0	108	70	140				
Fluoranthene	38.8	5.00	40.0	0	97.1	64.9	130				
Naphthalene	35.2	5.00	40.0	0	87.9	27.2	130				
Phenol	16.3	20.0	40.0	0	40.9	10	130				J
3&4-Methylphenol	32.5	5.00	40.0	0	81.3	29.7	130				m
Surr: 2-Fluorophenol	0.0271		0.05000		54.2	20	130				
Surr: Phenol-d6	0.0204		0.05000		40.8	20	130				
Surr: Nitrobenzene-d5	0.0440		0.05000		87.9	27.4	130				
Surr: 2,4,6-Tribromophenol	0.0484		0.05000		96.7	54.3	133				
Surr: 2-Fluorobiphenyl	0.0486		0.05000		97.2	25.6	130				
Surr: p-Terphenyl-d14	0.0544		0.05000		109	20	181				

Sample ID: LCSD-63468	SampType: LCSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/13/2023	RunNo: 159847						
Client ID: LCSS02	Batch ID: 63468	TestNo: SW8270	SW3510C	Analysis Date: 3/14/2023	SeqNo: 4248093						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	38.6	5.00	40.0	0	96.4	64.9	130	40.2	4.09	30	
2-Methylnaphthalene	34.3	5.00	40.0	0	85.7	32.8	130	35.4	3.16	30	
3,3'-Dichlorobenzidine	70.3	20.0	80.0	0	87.9	10	281	79.3	12.1	30	
4-Nitrophenol	22.1	5.00	40.0	0	55.3	25.1	130	21.9	0.908	30	m
Acenaphthene	38.3	5.00	40.0	0	95.7	43.7	130	39.0	1.76	30	
Bis(2-chloroethyl) ether	30.4	5.00	40.0	0	76.1	15.6	130	30.8	1.11	30	

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: 63468

Sample ID: LCSD-63468	SampType: LCSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/13/2023	RunNo: 159847						
Client ID: LCSS02	Batch ID: 63468	TestNo: SW8270	SW3510C	Analysis Date: 3/14/2023	SeqNo: 4248093						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	41.3	5.00	40.0	0	103	70	140	43.0	4.05	30	
Fluoranthene	37.9	5.00	40.0	0	94.8	64.9	130	38.8	2.45	30	
Naphthalene	35.0	5.00	40.0	0	87.6	27.2	130	35.2	0.399	30	
Phenol	15.7	20.0	40.0	0	39.3	10	130	16.3	4.00	30	J
3&4-Methylphenol	31.1	5.00	40.0	0	77.7	29.7	130	32.5	4.59	30	m
Surr: 2-Fluorophenol	0.0282		0.05000		56.4	20	130		0		
Surr: Phenol-d6	0.0196		0.05000		39.2	20	130		0		
Surr: Nitrobenzene-d5	0.0448		0.05000		89.6	27.4	130		0		
Surr: 2,4,6-Tribromophenol	0.0454		0.05000		90.9	54.3	133		0		
Surr: 2-Fluorobiphenyl	0.0499		0.05000		99.7	25.6	130		0		
Surr: p-Terphenyl-d14	0.0574		0.05000		115	20	181		0		

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: 63525

Sample ID: MB-63525	SampType: MBLK	TestCode: SVOC_DW(50	Units: µg/L	Prep Date: 3/14/2023	RunNo: 159970
Client ID: PBW	Batch ID: 63525	TestNo: E504.1	E504.1	Analysis Date: 3/15/2023	SeqNo: 4251564
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Dibromochloropropane	ND	0.0200			
Ethylene dibromide	ND	0.0100			

Sample ID: LCS-63525	SampType: LCS	TestCode: SVOC_DW(50	Units: µg/L	Prep Date: 3/14/2023	RunNo: 159970
Client ID: LCSW	Batch ID: 63525	TestNo: E504.1	E504.1	Analysis Date: 3/15/2023	SeqNo: 4251565
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Dibromochloropropane	0.555	0.0200	0.5000	0	111 70 130
Ethylene dibromide	0.543	0.0100	0.5000	0	109 70 130

Sample ID: LCSD-63525	SampType: LCSD	TestCode: SVOC_DW(50	Units: µg/L	Prep Date: 3/14/2023	RunNo: 159970
Client ID: LCSS02	Batch ID: 63525	TestNo: E504.1	E504.1	Analysis Date: 3/15/2023	SeqNo: 4251566
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Dibromochloropropane	0.561	0.0200	0.5000	0	112 70 130 0.5550 1.08 20
Ethylene dibromide	0.518	0.0100	0.5000	0	104 70 130 0.5430 4.71 20

Qualifiers:
 E Value above quantitation range
 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

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

J Analyte detected below quantitation limits
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

Original



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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: 63563

Sample ID: MB-63563	SampType: MBLK	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 3/16/2023	RunNo: 160159						
Client ID: PBW	Batch ID: 63563	TestNo: E525	525	Analysis Date: 3/18/2023	SeqNo: 4256248						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	ND	0.200									
Acenaphthylene	ND	0.100									
Anthracene	ND	0.100									
Benzo(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									
Bis(2-ethylhexyl) phthalate	ND	0.200									
Butyl benzyl phthalate	ND	0.200									
Chrysene	ND	0.100									
Dibenz(a,h)anthracene	ND	0.100									
Diethyl phthalate	0.0800	0.100									J
Di-n-butyl phthalate	ND	0.200									
Fluorene	ND	0.100									
Hexachlorobenzene	ND	0.100									
Hexachlorocyclopentadiene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	1.00									
Isophorone	ND	0.200									
Phenanthrene	ND	0.100									
Pyrene	ND	0.100									
Surr: 1,3-Dimethyl-2-nitrobe...	3.27		5.000		65.4	70	130				S
Surr: Benzo(a)pyrene-d12	4.05		5.000		81.0	70	130				
Surr: Triphenyl phosphate	5.07		5.000		101	70	130				

Qualifiers:

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 container temperature is out of limit as specified at testcode				

Original



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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: 63563

Sample ID: LCS-63563	SampType: LCS	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 3/16/2023	RunNo: 160159						
Client ID: LCSW	Batch ID: 63563	TestNo: E525	525	Analysis Date: 3/18/2023	SeqNo: 4256249						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	4.32	0.200	5.000	0	86.4	70	130				
Acenaphthylene	4.03	0.100	5.000	0	80.6	70	130				
Anthracene	4.18	0.100	5.000	0	83.6	70	130				
Benzo(a)anthracene	4.18	0.100	5.000	0	83.6	70	130				
Benzo(a)pyrene	3.63	0.100	5.000	0	72.6	70	130				
Benzo(b)fluoranthene	3.67	0.100	5.000	0	73.4	70	130				
Benzo(g,h,i)perylene	3.68	0.100	5.000	0	73.6	70	130				
Benzo(k)fluoranthene	4.07	0.100	5.000	0	81.4	70	130				
Bis(2-ethylhexyl) phthalate	3.39	0.200	5.000	0	67.8	70	130				S
Butyl benzyl phthalate	4.25	0.200	5.000	0	85.0	70	130				
Chrysene	4.29	0.100	5.000	0	85.8	70	130				
Dibenz(a,h)anthracene	3.65	0.100	5.000	0	73.0	70	130				
Diethyl phthalate	4.57	0.100	5.000	0	91.4	70	130				MB+
Di-n-butyl phthalate	4.46	0.200	5.000	0	89.2	70	130				
Fluorene	4.33	0.100	5.000	0	86.6	70	130				
Hexachlorobenzene	4.30	0.100	5.000	0	86.0	70	130				
Hexachlorocyclopentadiene	3.84	0.100	5.000	0	76.8	70	130				
Indeno(1,2,3-cd)pyrene	3.57	1.00	5.000	0	71.4	70	130				
Isophorone	3.62	0.200	5.000	0	72.4	70	130				
Phenanthrene	4.33	0.100	5.000	0	86.6	70	130				
Pyrene	4.33	0.100	5.000	0	86.6	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	3.69		5.000		73.8	70	130				
Surr: Benzo(a)pyrene-d12	3.62		5.000		72.4	70	130				
Surr: Triphenyl phosphate	4.94		5.000		98.8	70	130				

Qualifiers:	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 container temperature is out of limit as specified at testcode		

Original



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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: 63563

Sample ID: LCSD-63563	SampType: LCSD	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 3/16/2023	RunNo: 160159						
Client ID: LCSS02	Batch ID: 63563	TestNo: E525	525	Analysis Date: 3/18/2023	SeqNo: 4256250						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	4.12	0.200	5.000	0	82.4	70	130	4.320	4.74	30	
Acenaphthylene	3.56	0.100	5.000	0	71.2	70	130	4.030	12.4	30	
Anthracene	3.85	0.100	5.000	0	77.0	70	130	4.180	8.22	30	
Benzo(a)anthracene	3.66	0.100	5.000	0	73.2	70	130	4.180	13.3	30	
Benzo(a)pyrene	3.14	0.100	5.000	0	62.8	70	130	3.630	14.5	30	S
Benzo(b)fluoranthene	3.17	0.100	5.000	0	63.4	70	130	3.670	14.6	30	S
Benzo(g,h,i)perylene	3.05	0.100	5.000	0	61.0	70	130	3.680	18.7	30	S
Benzo(k)fluoranthene	3.47	0.100	5.000	0	69.4	70	130	4.070	15.9	30	S
Bis(2-ethylhexyl) phthalate	3.09	0.200	5.000	0	61.8	70	130	3.390	9.26	30	S
Butyl benzyl phthalate	3.94	0.200	5.000	0	78.8	70	130	4.250	7.57	30	
Chrysene	3.76	0.100	5.000	0	75.2	70	130	4.290	13.2	30	
Dibenz(a,h)anthracene	3.08	0.100	5.000	0	61.6	70	130	3.650	16.9	30	S
Diethyl phthalate	4.21	0.100	5.000	0	84.2	70	130	4.570	8.20	30	MB+
Di-n-butyl phthalate	4.18	0.200	5.000	0	83.6	70	130	4.460	6.48	30	
Fluorene	3.86	0.100	5.000	0	77.2	70	130	4.330	11.5	30	
Hexachlorobenzene	3.79	0.100	5.000	0	75.8	70	130	4.300	12.6	30	
Hexachlorocyclopentadiene	3.27	0.100	5.000	0	65.4	70	130	3.840	16.0	30	S
Indeno(1,2,3-cd)pyrene	3.00	1.00	5.000	0	60.0	70	130	3.570	17.4	30	S
Isophorone	3.39	0.200	5.000	0	67.8	70	130	3.620	6.56	30	S
Phenanthrene	3.90	0.100	5.000	0	78.0	70	130	4.330	10.4	30	
Pyrene	3.88	0.100	5.000	0	77.6	70	130	4.330	11.0	30	
Surr: 1,3-Dimethyl-2-nitrobe...	3.43		5.000		68.6	70	130		0	30	S
Surr: Benzo(a)pyrene-d12	3.12		5.000		62.4	70	130		0	30	S
Surr: Triphenyl phosphate	4.73		5.000		94.6	70	130		0	30	

Qualifiers:
 E Value above quantitation range
 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

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

J Analyte detected below quantitation limits
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

Original



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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159702

Sample ID: MBLK	SampType: MBLK	TestCode: GLYCOL_NP	Units: µg/L	Prep Date:	RunNo: 159702						
Client ID: PBW	Batch ID: R159702	TestNo: SW8015C		Analysis Date: 3/11/2023	SeqNo: 4244749						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylene glycol	ND	10000		0	0						
Ethylene glycol	ND	10000		0	0						
Propylene glycol	ND	10000		0	0						
Triethylene glycol	ND	10000		0	0						

Sample ID: LCS 500 PPM	SampType: LCS	TestCode: GLYCOL_NP	Units: µg/L	Prep Date:	RunNo: 159702						
Client ID: LCSW	Batch ID: R159702	TestNo: SW8015C		Analysis Date: 3/11/2023	SeqNo: 4244751						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylene glycol	596000	10000	500000	0	119	70	130				
Ethylene glycol	605000	10000	500000	0	121	70	130				
Propylene glycol	609000	10000	500000	0	122	51.7	139				
Triethylene glycol	524000	10000	500000	0	105	70	130				

Sample ID: LCSD 500 PPM	SampType: LCSD	TestCode: GLYCOL_NP	Units: µg/L	Prep Date:	RunNo: 159702						
Client ID: LCSS02	Batch ID: R159702	TestNo: SW8015C		Analysis Date: 3/11/2023	SeqNo: 4244752						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylene glycol	595000	10000	500000	0	119	70	130	596000	0.229	20	
Ethylene glycol	596000	10000	500000	0	119	70	130	605000	1.46	20	
Propylene glycol	596000	10000	500000	0	119	51.7	139	609000	2.15	20	
Triethylene glycol	548000	10000	500000	0	110	70	130	524000	4.30	20	

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159707

Sample ID: LCS	SampType: LCS	TestCode: VOC_DW(524	Units: µg/L	Prep Date:	RunNo: 159707						
Client ID: LCSW	Batch ID: R159707	TestNo: E524.2	Analysis Date: 3/10/2023	SeqNo: 4244987							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	4.81	0.500	5.000	0	96.3	70	130				
1,1,1-Trichloroethane	5.08	0.500	5.000	0	102	70	130				
1,1,2,2-Tetrachloroethane	4.98	0.500	5.000	0	99.5	70	130				
1,1,2-Trichloroethane	4.96	0.500	5.000	0	99.3	70	130				
1,1-Dichloroethane	4.86	0.500	5.000	0	97.3	70	130				
1,1-Dichloroethene	5.00	0.500	5.000	0	100	70	130				
1,1-Dichloropropene	4.92	0.500	5.000	0	98.3	70	130				
1,2,3-Trichlorobenzene	4.99	0.500	5.000	0	99.7	70	130				
1,2,3-Trichloropropane	4.58	0.500	5.000	0	91.5	70	130				
1,2,4-Trichlorobenzene	4.80	0.500	5.000	0	96.0	70	130				
1,2,4-Trimethylbenzene	5.16	0.500	5.000	0	103	70	130				
1,2-Dichlorobenzene	4.89	0.500	5.000	0	97.9	70	130				
1,2-Dichloroethane	4.92	0.500	5.000	0	98.4	70	130				
1,2-Dichloropropane	4.68	0.500	5.000	0	93.6	70	130				
1,3,5-Trimethylbenzene	5.18	0.500	5.000	0	104	70	130				
1,3-Dichlorobenzene	4.88	0.500	5.000	0	97.6	70	130				
1,3-Dichloropropane	5.15	0.500	5.000	0	103	70	130				
1,4-Dichlorobenzene	5.26	0.500	5.000	0	105	70	130				
2-Chlorotoluene	4.95	0.500	5.000	0	99.0	70	130				
4-Chlorotoluene	5.10	0.500	5.000	0	102	70	130				
Benzene	4.88	0.500	5.000	0	97.7	70	130				
Bromobenzene	4.97	0.500	5.000	0	99.3	70	130				
Bromodichloromethane	4.70	0.500	5.000	0	93.9	70	130				
Bromoform	4.55	0.500	5.000	0	90.9	70	130				
Bromomethane	4.25	1.00	5.000	0	85.1	70	130				
Carbon tetrachloride	4.96	0.500	5.000	0	99.2	70	130				

Qualifiers: 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 container temperature is out of limit as specified at testcode

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159707

Sample ID: LCS	SampType: LCS	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 159707						
Client ID: LCSW	Batch ID: R159707	TestNo: E524.2	Analysis Date: 3/10/2023	SeqNo: 4244987							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	4.78	0.500	5.000	0	95.6	70	130				
Chlorobromomethane	5.06	0.500	5.000	0	101	70	130				
Chlorodibromomethane	4.53	0.500	5.000	0	90.7	70	130				
Chloroethane	4.16	0.500	5.000	0	83.2	70	130				
Chloroform	4.74	0.500	5.000	0	94.9	70	130				
Chloromethane	4.15	0.500	5.000	0	83.0	70	130				
cis-1,2-Dichloroethene	4.96	0.500	5.000	0	99.2	70	130				
cis-1,3-Dichloropropene	5.01	0.500	5.000	0	100	70	130				
Dibromomethane	4.75	0.500	5.000	0	95.0	70	130				
Dichlorodifluoromethane	4.23	0.500	5.000	0	84.6	70	130				
Ethylbenzene	4.89	0.500	5.000	0	97.8	70	130				
Hexachloro-1,3-butadiene	4.67	0.500	5.000	0	93.4	70	130				
Isopropylbenzene	4.91	0.500	5.000	0	98.1	70	130				
m,p-Xylene	10.1	0.500	10.00	0	101	70	130				
Methylene chloride	5.26	0.500	5.000	0	105	70	130				
MTBE	4.42	0.500	5.000	0	88.4	70	130				
n-Butylbenzene	4.97	0.500	5.000	0	99.4	70	130				
n-Propylbenzene	4.92	0.500	5.000	0	98.4	70	130				
o-Xylene	5.04	0.500	5.000	0	101	70	130				
p-Isopropyltoluene	5.06	0.500	5.000	0	101	70	130				
sec-Butylbenzene	5.37	0.500	5.000	0	107	70	130				
Styrene	4.83	0.500	5.000	0	96.5	70	130				
tert-Butylbenzene	5.12	0.500	5.000	0	102	70	130				
Tetrachloroethene	5.30	0.500	5.000	0	106	70	130				
Toluene	5.04	0.500	5.000	0	101	70	130				
trans-1,2-Dichloroethene	4.99	0.500	5.000	0	99.9	70	130				

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159707

Sample ID: LCS	SampType: LCS	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 159707							
Client ID: LCSW	Batch ID: R159707	TestNo: E524.2	Analysis Date: 3/10/2023	SeqNo: 4244987							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	4.77	0.500	5.000	0	95.3	70	130				
Trichloroethene	4.90	0.500	5.000	0	97.9	70	130				
Trichlorofluoromethane	4.68	0.500	5.000	0	93.7	70	130				
Vinyl chloride	3.76	0.500	5.000	0	75.1	70	130				
Xylenes, Total	15.1	0.500	15.00	0	101	70	130				
Surr: 1,2-Dichlorobenzene-d4	10.4		10.00		104	70	130				
Surr: 4-Bromofluorobenzene	10.4		10.00		104	70	130				

Sample ID: MB	SampType: MBLK	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 159707							
Client ID: PBW	Batch ID: R159707	TestNo: E524.2	Analysis Date: 3/10/2023	SeqNo: 4244988							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.500									
1,1,1-Trichloroethane	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.500									
1,1,2-Trichloroethane	ND	0.500									
1,1-Dichloroethane	ND	0.500									
1,1-Dichloroethene	ND	0.500									
1,1-Dichloropropene	ND	0.500									
1,2,3-Trichlorobenzene	ND	0.500									
1,2,3-Trichloropropane	ND	0.500									
1,2,4-Trichlorobenzene	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dichloroethane	ND	0.500									

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159707

Sample ID: MB	SampType: MBLK	TestCode: VOC_DW(524	Units: µg/L	Prep Date:	RunNo: 159707						
Client ID: PBW	Batch ID: R159707	TestNo: E524.2		Analysis Date: 3/10/2023	SeqNo: 4244988						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,3-Dichloropropane	ND	0.500									
1,3-Dichloropropene, Total	ND	1.00									
1,4-Dichlorobenzene	ND	0.500									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
Benzene	ND	0.500									
Bromobenzene	ND	0.500									
Bromodichloromethane	ND	0.500									
Bromoform	ND	0.500									
Bromomethane	ND	1.00									
Carbon tetrachloride	ND	0.500									
Chlorobenzene	ND	0.500									
Chlorobromomethane	ND	0.500									
Chlorodibromomethane	ND	0.500									
Chloroethane	ND	0.500									
Chloroform	ND	0.500									
Chloromethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Dibromomethane	ND	0.500									
Dichlorodifluoromethane	ND	0.500									
Ethylbenzene	ND	0.500									
Hexachloro-1,3-butadiene	ND	0.500									

Qualifiers:

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
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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159707

Sample ID: MB	SampType: MBLK	TestCode: VOC_DW(524	Units: µg/L	Prep Date:	RunNo: 159707						
Client ID: PBW	Batch ID: R159707	TestNo: E524.2		Analysis Date: 3/10/2023	SeqNo: 4244988						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	0.500									
m,p-Xylene	ND	0.500									
Methylene chloride	ND	0.500									
MTBE	ND	0.500									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
o-Xylene	ND	0.500									
p-Isopropyltoluene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
Trichloroethene	ND	0.500									
Trichlorofluoromethane	ND	0.500									
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	0.500									
Surr: 1,2-Dichlorobenzene-d4	8.80		10.00		88.0	70	130				
Surr: 4-Bromofluorobenzene	8.18		10.00		81.8	70	130				

Qualifiers:	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 container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159707

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.500						0	0	20	
1,1,1-Trichloroethane	ND	0.500						0	0	20	
1,1,2,2-Tetrachloroethane	ND	0.500						0	0	20	
1,1,2-Trichloroethane	ND	0.500						0	0	20	
1,1-Dichloroethane	ND	0.500						0	0	20	
1,1-Dichloroethene	ND	0.500						0	0	20	
1,1-Dichloropropene	ND	0.500						0	0	20	
1,2,3-Trichlorobenzene	ND	0.500						0	0	20	
1,2,3-Trichloropropane	ND	0.500						0	0	20	
1,2,4-Trichlorobenzene	ND	0.500						0	0	20	
1,2,4-Trimethylbenzene	ND	0.500						0	0	20	
1,2-Dichlorobenzene	ND	0.500						0	0	20	
1,2-Dichloroethane	ND	0.500						0	0	20	
1,2-Dichloropropane	ND	0.500						0	0	20	
1,3,5-Trimethylbenzene	ND	0.500						0	0	20	
1,3-Dichlorobenzene	ND	0.500						0	0	20	
1,3-Dichloropropane	ND	0.500						0	0	20	
1,3-Dichloropropene, Total	ND	1.00						0	0	0	
1,4-Dichlorobenzene	ND	0.500						0	0	20	
2-Chlorotoluene	ND	0.500						0	0	20	
4-Chlorotoluene	ND	0.500						0	0	20	
Benzene	ND	0.500						0	0	20	
Bromobenzene	ND	0.500						0	0	20	
Bromodichloromethane	ND	0.500						0	0	20	
Bromoform	ND	0.500						0	0	20	
Bromomethane	ND	1.00						0	0	20	

Qualifiers:

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 container temperature is out of limit as specified at testcode				

Original



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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159707

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	0.500						0	0	20	
Chlorobenzene	ND	0.500						0	0	20	
Chlorobromomethane	ND	0.500						0	0	20	
Chlorodibromomethane	ND	0.500						0	0	20	
Chloroethane	ND	0.500						0	0	20	
Chloroform	ND	0.500						0	0	20	
Chloromethane	ND	0.500						0	0	20	
cis-1,2-Dichloroethene	ND	0.500						0	0	20	
cis-1,3-Dichloropropene	ND	0.500						0	0	20	
Dibromomethane	ND	0.500						0	0	20	
Dichlorodifluoromethane	ND	0.500						0	0	20	
Ethylbenzene	ND	0.500						0	0	20	
Hexachloro-1,3-butadiene	ND	0.500						0	0	20	
Isopropylbenzene	ND	0.500						0	0	20	
m,p-Xylene	ND	0.500						0	0	20	
Methylene chloride	ND	0.500						0	0	20	
MTBE	ND	0.500						0	0	20	
n-Butylbenzene	ND	0.500						0	0	20	
n-Propylbenzene	ND	0.500						0	0	20	
o-Xylene	ND	0.500						0	0	20	
p-Isopropyltoluene	ND	0.500						0	0	20	
sec-Butylbenzene	ND	0.500						0	0	20	
Styrene	ND	0.500						0	0	20	
tert-Butylbenzene	ND	0.500						0	0	20	
Tetrachloroethene	ND	0.500						0	0	20	
Toluene	ND	0.500						0	0	20	

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159707

Sample ID: 23030669-001ADUP	SampType: DUP	TestCode: VOC_DW(524	Units: µg/L	Prep Date:	RunNo: 159707						
Client ID: SMW-3 EP Vil Sent.	Batch ID: R159707	TestNo: E524.2		Analysis Date: 3/10/2023	SeqNo: 4244992						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.500						0	0	20	
trans-1,3-Dichloropropene	ND	0.500						0	0	20	
Trichloroethene	ND	0.500						0	0	20	
Trichlorofluoromethane	ND	0.500						0	0	20	
Vinyl chloride	ND	0.500						0	0	20	
Xylenes, Total	ND	0.500						0	0	20	
Surr: 1,2-Dichlorobenzene-d4	8.61		10.00		86.1	70	130		0	20	
Surr: 4-Bromofluorobenzene	8.03		10.00		80.3	70	130		0	20	

Qualifiers:
 E Value above quantitation range
 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

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

J Analyte detected below quantitation limits
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

Original



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QC SUMMARY REPORT

WO#: 23030669
22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159720

Sample ID: MBLK	SampType: MBLK	TestCode: ALCOHOLS_	Units: µg/L	Prep Date:	RunNo: 159720						
Client ID: PBW	Batch ID: R159720	TestNo: SW8015C		Analysis Date: 3/11/2023	SeqNo: 4245147						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butoxyethanol ND 20000 0 0
Surr: Cyclohexanol 0

Sample ID: LCS 500 PPM	SampType: LCS	TestCode: ALCOHOLS_	Units: µg/L	Prep Date:	RunNo: 159720						
Client ID: LCSW	Batch ID: R159720	TestNo: SW8015C		Analysis Date: 3/11/2023	SeqNo: 4245148						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butoxyethanol 468000 20000 500000 0 93.7 10 171
Surr: Cyclohexanol 0

Sample ID: LCSD 500 PPM	SampType: LCS	TestCode: ALCOHOLS_	Units: µg/L	Prep Date:	RunNo: 159720						
Client ID: LCSW	Batch ID: R159720	TestNo: SW8015C		Analysis Date: 3/11/2023	SeqNo: 4245149						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butoxyethanol 490000 20000 500000 0 98.0 10 171
Surr: Cyclohexanol 0

Qualifiers:

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 container temperature is out of limit as specified at testcode		

Original



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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159810

Sample ID: LCS	SampType: LCS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159810						
Client ID: LCSW	Batch ID: R159810	TestNo: SW8260	Analysis Date: 3/13/2023	SeqNo: 4247281							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	15.6	5.00	20.00	0	78.2	70	143				
1,3-Butadiene	6.55	5.00	20.00	0	32.8	10	190				
1,4-Dioxane	180	25.0	200.0	0	89.9	10	190				
2,2-Dichloropropane	19.7	5.00	20.00	0	98.6	24	171				
2-Butanone	92.3	25.0	100.0	0	92.3	10	190				
2-Nitropropane	20.1	50.0	20.00	0	100	10	152				J
Acrylonitrile (2-propenenitrile)	122	30.0	120.0	0	101	10	190				
Allyl chloride	19.3	5.00	20.00	0	96.6	64	155				
Carbon disulfide	17.1	5.00	20.00	0	85.7	63	149				
Chloroprene	18.8	5.00	20.00	0	93.9	46	164				
Cyclohexanone	145	5.00	100.0	0	145	10	190				
Ethyl Ether	17.9	10.0	20.00	0	89.3	36	165				
Epichlorohydrin	19.3	20.0	20.00	0	96.7	10	181				J
ETBE	21.4	5.00	20.00	0	107	70	130				
Ethyl acrylate	17.6	5.00	20.00	0	88.2	70	130				
Ethyl methacrylate	19.7	5.00	20.00	0	98.5	59	136				
Hexachloroethane	16.7	5.00	20.00	0	83.6	10	214				
Diisopropyl ether (DIPE)	20.6	5.00	20.00	0	103	10	177				
Methacrylonitrile	20.5	5.00	20.00	0	103	10	153				
Methyl acrylate	19.8	5.00	20.00	0	99.1	10	176				
Methyl methacrylate	19.7	5.00	20.00	0	98.7	50	130				
Propionitrile	20.7	5.00	20.00	0	103	70	130				
trans-1,4-Dichloro-2-butene	20.9	5.00	20.00	0	104	10	196				
Vinyl acetate	20.6	5.00	20.00	0	103	10	190				
1,2,3-Trimethylbenzene	20.7	5.00	20.00	0	104	3.54	177				
Surr: 4-Bromofluorobenzene	50.3		50.00		101	70	130				

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159810

Sample ID: LCS	SampType: LCS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159810						
Client ID: LCSW	Batch ID: R159810	TestNo: SW8260		Analysis Date: 3/13/2023	SeqNo: 4247281						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	50.7		50.00		101	70	130				
Surr: Toluene-d8	48.7		50.00		97.4	70	130				

Sample ID: MB	SampType: MBLK	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159810						
Client ID: PBW	Batch ID: R159810	TestNo: SW8260		Analysis Date: 3/13/2023	SeqNo: 4247284						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	ND	5.00									
1,3-Butadiene	ND	5.00									
1,4-Dioxane	ND	25.0									
2,2-Dichloropropane	ND	5.00									
2-Butanone	ND	25.0									
2-Nitropropane	ND	50.0									
Acrylonitrile (2-propenenitrile)	ND	30.0									
Allyl chloride	ND	5.00									
Carbon disulfide	ND	5.00									
Chloroprene	ND	5.00									
Cyclohexanone	ND	5.00									
Ethyl Ether	ND	10.0									
Epichlorohydrin	ND	20.0									
ETBE	ND	5.00									
Ethyl acrylate	ND	5.00									
Ethyl methacrylate	ND	5.00									
Hexachloroethane	ND	5.00									
Diisopropyl ether (DIPE)	ND	5.00									

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159810

Sample ID: MB	SampType: MBLK	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159810						
Client ID: PBW	Batch ID: R159810	TestNo: SW8260		Analysis Date: 3/13/2023	SeqNo: 4247284						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methacrylonitrile	ND	5.00									
Methyl acrylate	ND	5.00									
Methyl methacrylate	ND	5.00									
trans-1,4-Dichloro-2-butene	ND	5.00									
Vinyl acetate	ND	5.00									
1,2,3-Trimethylbenzene	ND	5.00									
Surr: 4-Bromofluorobenzene	48.8		50.00		97.6	70	130				
Surr: Dibromofluoromethane	50.7		50.00		101	70	130				
Surr: Toluene-d8	49.0		50.00		98.1	70	130				

Sample ID: 23030664-003AMS	SampType: MS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159810						
Client ID: BatchQC	Batch ID: R159810	TestNo: SW8260		Analysis Date: 3/13/2023	SeqNo: 4247285						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	18.4	5.00	20.00	0	92.1	10	236				
1,3-Butadiene	7.02	5.00	20.00	0	35.1	10	203				
1,4-Dioxane	189	25.0	200.0	0	94.5	10	181				
2,2-Dichloropropane	22.7	5.00	20.00	0	113	23.5	171				
2-Butanone	154	25.0	100.0	58.04	95.7	70	130				
2-Nitropropane	20.8	50.0	20.00	0	104	10	152				J
Acrylonitrile (2-propenenitrile)	122	30.0	120.0	0	102	59	130				
Allyl chloride	21.5	5.00	20.00	0	107	-2.66	201				
Carbon disulfide	18.8	5.00	20.00	0	94.2	63.2	147				
Chloroprene	21.2	5.00	20.00	0	106	46.2	164				
Cyclohexanone	109	5.00	100.0	8.022	101	10	193				

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159810

Sample ID: 23030664-003AMS	SampType: MS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159810						
Client ID: BatchQC	Batch ID: R159810	TestNo: SW8260	Analysis Date: 3/13/2023	SeqNo: 4247285							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethyl Ether	19.9	10.0	20.00	0	99.4	36.1	165				
Epichlorohydrin	18.4	20.0	20.00	0	92.1	10	181				J
ETBE	21.1	5.00	20.00	0	105	70	130				
Ethyl acrylate	18.8	5.00	20.00	0	94.0	70	130				
Ethyl methacrylate	20.6	5.00	20.00	0	103	70	130				
Hexachloroethane	18.2	5.00	20.00	0	90.8	10	214				
Diisopropyl ether (DIPE)	21.0	5.00	20.00	0	105	10	177				
Methacrylonitrile	19.6	5.00	20.00	0	97.9	10	153				
Methyl acrylate	20.1	5.00	20.00	0	100	10	176				
Methyl methacrylate	20.7	5.00	20.00	0	104	49.7	130				
Propionitrile	20.9	5.00	20.00	0	105	70	130				
trans-1,4-Dichloro-2-butene	22.7	5.00	20.00	0	113	10	196				
Vinyl acetate	20.9	5.00	20.00	0	105	32.8	153				
1,2,3-Trimethylbenzene	21.8	5.00	20.00	0	109	70	130				
Surr: 4-Bromofluorobenzene	49.8		50.00		99.5	70	130				
Surr: Dibromofluoromethane	49.8		50.00		99.5	70	130				
Surr: Toluene-d8	49.7		50.00		99.5	46.1	154				

Sample ID: 23030664-003AMSD	SampType: MSD	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159810						
Client ID: BatchQC	Batch ID: R159810	TestNo: SW8260	Analysis Date: 3/13/2023	SeqNo: 4247286							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	17.1	5.00	20.00	0	85.3	10	236	18.41	7.62	20	
1,3-Butadiene	6.98	5.00	20.00	0	34.9	10	203	7.021	0.600	20	
1,4-Dioxane	185	25.0	200.0	0	92.7	10	181	189.0	1.97	20	

Qualifiers:

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 container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: 23030669
 22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

BatchID: R159810

Sample ID: 23030664-003AMSD	SampType: MSD	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159810						
Client ID: BatchQC	Batch ID: R159810	TestNo: SW8260	Analysis Date: 3/13/2023	SeqNo: 4247286							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	21.9	5.00	20.00	0	109	23.5	171	22.70	3.79	20	
2-Butanone	151	25.0	100.0	58.04	92.9	70	130	153.7	1.86	20	
2-Nitropropane	19.6	50.0	10.00	0	196	10	152	20.80	5.68	20	SJ
Acrylonitrile (2-propenenitrile)	120	30.0	120.0	0	100	59	130	122.4	1.88	20	
Allyl chloride	19.9	5.00	20.00	0	99.5	-2.66	201	21.45	7.50	20	
Carbon disulfide	18.4	5.00	20.00	0	92.0	63.2	147	18.84	2.33	20	
Chloroprene	20.4	5.00	20.00	0	102	46.2	164	21.20	3.62	20	
Cyclohexanone	106	5.00	100.0	8.022	97.7	10	193	108.6	2.65	20	
Ethyl Ether	16.3	10.0	20.00	0	81.3	36.1	165	19.88	20.0	20	
Epichlorohydrin	16.9	20.0	20.00	0	84.5	10	181	18.43	8.69	20	J
ETBE	20.5	5.00	20.00	0	103	70	130	21.06	2.56	0	
Ethyl acrylate	18.2	5.00	20.00	0	90.8	70	130	18.81	3.47	0	
Ethyl methacrylate	20.0	5.00	20.00	0	100	70	130	20.64	3.13	20	
Hexachloroethane	18.0	5.00	20.00	0	89.8	10	214	18.16	1.09	20	
Diisopropyl ether (DIPE)	20.5	5.00	20.00	0	102	10	177	21.04	2.79	20	
Methacrylonitrile	20.0	5.00	20.00	0	99.8	10	153	19.59	1.89	20	
Methyl acrylate	19.4	5.00	20.00	0	97.1	10	176	20.09	3.38	20	
Methyl methacrylate	19.8	5.00	20.00	0	99.0	49.7	130	20.70	4.42	20	
Propionitrile	20.2	5.00	20.00	0	101	70	130	20.94	3.81	20	
trans-1,4-Dichloro-2-butene	23.2	5.00	20.00	0	116	10	196	22.68	2.17	20	
Vinyl acetate	20.7	5.00	20.00	0	103	32.8	153	20.90	1.13	20	
1,2,3-Trimethylbenzene	21.6	5.00	20.00	0	108	70	130	21.81	1.00	0	
Surr: 4-Bromofluorobenzene	48.9		50.00		97.8	70	130		0	20	
Surr: Dibromofluoromethane	50.1		50.00		100	70	130		0	20	
Surr: Toluene-d8	49.5		50.00		99.0	46.1	154		0	20	

Qualifiers:	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 container temperature is out of limit as specified at testcode		

Original

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.



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

DATES REPORT

WO#: **23030669**
22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
23030669-001A	SMW-3 EP Vil Sent. Well	3/9/2023 2:15:00 PM	Drinking Water	VOC-GC/MS (524.2)			3/10/2023 5:49:00 PM
23030669-001B				EDB, DBCP, 123TCP by GC (EPA 504)		3/14/2023 3:15:00 PM	3/15/2023 2:03:00 PM
23030669-001C				VOC by GC/MS (8260D)			3/13/2023 5:02:00 PM
				VOC Tentatively Identified Compound (TICs)			3/13/2023 5:02:00 PM
23030669-001D				SVOC by 8270E		3/13/2023 11:00:00 AM	3/14/2023 10:33:00 PM
				SVOC by 8270E		3/13/2023 11:00:00 AM	3/16/2023 12:15:00 AM
				SVOC by 8270E		3/13/2023 11:00:00 AM	3/21/2023 3:24:00 PM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/16/2023 9:00:00 AM	3/18/2023 2:21:00 PM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/16/2023 9:00:00 AM	3/20/2023 7:40:00 AM
23030669-001E				Alcohols (EPA 8015) C			3/11/2023 4:04:00 PM
				Alcohols (EPA 8015) C			3/11/2023 4:04:00 PM
				Glycols (8015)			3/11/2023 7:34:00 PM
				Glycols (8015)			3/11/2023 7:34:00 PM
23030669-002A	SMW-4 EP Vil Sent. Well	3/9/2023 3:50:00 PM		VOC-GC/MS (524.2)			3/10/2023 6:47:00 PM
23030669-002B				EDB, DBCP, 123TCP by GC (EPA 504)		3/14/2023 3:15:00 PM	3/15/2023 2:23:00 PM
23030669-002C				VOC by GC/MS (8260D)			3/13/2023 5:26:00 PM
				VOC Tentatively Identified Compound (TICs)			3/13/2023 5:26:00 PM
23030669-002D				SVOC by 8270E		3/13/2023 11:00:00 AM	3/14/2023 11:04:00 PM
				SVOC by 8270E		3/13/2023 11:00:00 AM	3/16/2023 12:47:00 AM
				SVOC by 8270E		3/13/2023 11:00:00 AM	3/21/2023 3:56:00 PM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/16/2023 9:00:00 AM	3/20/2023 8:26:00 AM

Original



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DATES REPORT

WO#: **23030669**
22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
23030669-002D	SMW-4 EP Vil Sent. Well	3/9/2023 3:50:00 PM	Drinking Water	Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/16/2023 9:00:00 AM	3/18/2023 3:08:00 PM
23030669-002E				Alcohols (EPA 8015) C			3/11/2023 4:22:00 PM
				Alcohols (EPA 8015) C			3/11/2023 4:22:00 PM
				Glycols (8015)			3/11/2023 8:11:00 PM
				Glycols (8015)			3/11/2023 8:11:00 PM
23030669-003A	SMW-3FB Field Blank	3/9/2023 1:30:00 PM		VOC-GC/MS (524.2)			3/10/2023 7:16:00 PM
23030669-003B				EDB, DBCP, 123TCP by GC (EPA 504.2)	3/14/2023 3:15:00 PM	3/15/2023 2:44:00 PM	
23030669-003C				VOC by GC/MS (8260D)		3/13/2023 5:49:00 PM	
				VOC Tentatively Identified Compound (TICs)		3/13/2023 5:49:00 PM	
23030669-003D				SVOC by 8270E		3/13/2023 11:00:00 AM	3/16/2023 1:18:00 AM
				SVOC by 8270E	3/13/2023 11:00:00 AM	3/21/2023 4:27:00 PM	
				SVOC by 8270E	3/13/2023 11:00:00 AM	3/14/2023 11:36:00 PM	
				Synthetic Organic Compounds by GC/MS (EPA 525.3)	3/16/2023 9:00:00 AM	3/20/2023 9:13:00 AM	
				Synthetic Organic Compounds by GC/MS (EPA 525.3)	3/16/2023 9:00:00 AM	3/18/2023 3:54:00 PM	
23030669-003E				Alcohols (EPA 8015) C			3/11/2023 4:40:00 PM
				Alcohols (EPA 8015) C		3/11/2023 4:40:00 PM	
				Glycols (8015)		3/11/2023 8:48:00 PM	
				Glycols (8015)		3/11/2023 8:48:00 PM	
23030669-004A	SMW-2 EP Vil Sent Well	3/9/2023 10:10:00 AM		VOC-GC/MS (524.2)			3/10/2023 7:45:00 PM
23030669-004B				EDB, DBCP, 123TCP by GC (EPA 504.2)	3/14/2023 3:15:00 PM	3/15/2023 3:05:00 PM	
23030669-004C				VOC by GC/MS (8260D)		3/13/2023 6:12:00 PM	

Original



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DATES REPORT

WO#: **23030669**
22-Mar-23

Client: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
23030669-004C	SMW-2 EP Vil Sent Well	3/9/2023 10:10:00 AM	Drinking Water	VOC Tentatively Identified Compound (TICs)			3/13/2023 6:12:00 PM
23030669-004D				SVOC by 8270E		3/13/2023 11:00:00 AM	3/16/2023 1:50:00 AM
				SVOC by 8270E		3/13/2023 11:00:00 AM	3/15/2023 12:08:00 AM
				SVOC by 8270E		3/13/2023 11:00:00 AM	3/21/2023 4:59:00 PM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/16/2023 9:00:00 AM	3/20/2023 9:59:00 AM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/16/2023 9:00:00 AM	3/18/2023 4:40:00 PM
23030669-004E				Alcohols (EPA 8015) C			3/11/2023 4:58:00 PM
				Alcohols (EPA 8015) C			3/11/2023 4:58:00 PM
				Glycols (8015)			3/11/2023 9:25:00 PM
				Glycols (8015)			3/11/2023 9:25:00 PM
23030669-005A	Trip Blank-1			VOC by GC/MS (8260D)			3/13/2023 4:16:00 PM
				VOC Tentatively Identified Compound (TICs)			3/13/2023 4:16:00 PM
23030669-005B				VOC-GC/MS (524.2)			3/10/2023 4:52:00 PM
23030669-005C				EDB, DBCP, 123TCP by GC (EPA 504)		3/14/2023 3:15:00 PM	3/15/2023 3:26:00 PM
23030669-006A	Trip Blank-2			VOC by GC/MS (8260D)			3/13/2023 4:39:00 PM
				VOC Tentatively Identified Compound (TICs)			3/13/2023 4:39:00 PM
23030669-006B				VOC-GC/MS (524.2)			3/10/2023 5:20:00 PM
23030669-006C				EDB, DBCP, 123TCP by GC (EPA 504)		3/14/2023 3:15:00 PM	3/15/2023 3:47:00 PM

Original

Analysis Request / Chain of Custody



3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Refer to Terms and Conditions at www.settek.com

SET
WO
NO.: **23030669**

For Submit Environmental Technologies, Inc. use only

Client Name OHIO EPA - DDAGLW		Project Identification OHIO EPA PWS - EP		
Client Street Address 2110 E. Aurora Road		Project Street Address 481 Bacon Ave		
City Townsville		City East Pal		
State OH		State OH		
Zip 44087		Zip 44110		
Client Phone 330-963-1150		Report To JAMES FISHER		
Contact Person JAMES FISHER		Quote Number		
Client Email Address James.fisher@em.ohio.gov		Facility ID		
Sampled By (Print Name and Provide Signature) Bridget Haag		Reporting/Accreditation Requirements: <input type="checkbox"/> Ohio VAP <input type="checkbox"/> Drinking Water Compliance <input type="checkbox"/> Other Compliance (List State/ Program):		
Sign: Bridget Haag		For DW only, results to be reported to state? If yes, lab fee may apply: <input type="checkbox"/> Y <input type="checkbox"/> N		
#	Sample Point ID	Sample Identification	Date Collected	Time Collected
1	SMW-3	EP Vil Sent Well	3/9/23	14:15
2	SMW-4	"		15:50
3	SMW-3FB	FIELD BEAK		13:30
4	SMW-2	EP VIL SENT WELL		10:10
Relinquished by: Bridget Haag Date: 3/9/23 Time: 17:55 Received by: _____				
Received at Summit by: [Signature] Date: 03/09/23 Time: 1755 Carrier: client				
Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Portable 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)		
Composite Sample		Grab Sample		
Number of Containers per Sample		For DW Only: Special Compliance or Routine (S/R)		
Analytical Parameters and Methods Requested		Notes / Comments: 524, 8270-HCL, 504.1-NA2SO3, 525-Ascorbic Acid & Resonance CEMENT		
Received Temp.: 0.1, 1.3 °C		Sufficient volume provided to run QC? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Cooler? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Ice Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Other Container: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO MELTED		
Rush Requested: 7 Day(s)		Must be approved by Lab Manager		
0.0+0.1, 1.2+0.1				






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Sample Log-In Check List

Client Name: **OEPA-OH-44087**

Work Order Number: **23030669**

RcptNo: **1**

Logged by:	Anthony W. Britton	3/9/2023 5:55:00 PM	
Completed By:	Anthony W. Britton	3/9/2023 7:00:50 PM	
Reviewed By:	Holly Florea	3/10/2023 9:09:24 AM	

Chain of Custody

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

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: Signed By:
5. Was an attempt made to cool the samples? Yes No NA
6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
7. Sample(s) in proper container(s)? Yes No
8. Sufficient sample volume for indicated test(s)? Yes No
9. Are samples (except VOA and ONG) properly preserved? Yes No
10. Was preservative added to bottles? Yes No NA
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No No VOA Vials
12. Were any sample containers received broken? Yes No
13. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes No
15. Is it clear what analyses were requested? Yes No
16. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

Special Handling (if applicable)

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

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

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.1	Good	Not Present			
2	1.3	Good	Not Present			