



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 16, 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.: 23030255

Summit Environmental Technologies, Inc. received 6 sample(s) on 3/3/2023 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#: 23030255
Date: 3/16/2023

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:

23030255-001 through 004 SVOC_DW(525.3): Ending CCV exhibited high recovery for Benzo(k)fluoranthene. Sample is ND for this analyte. Possible low bias for several analytes due to low recoveries in LCS/LCSD-63380, confirmed by reanalysis.

23030255-001 through 004 SVOC-MSTR_NPW(8270E): CCV exhibited high recovery for 2,6-Dinitrotoluene. Sample is ND for this analyte. Possible low bias for 3,4-Methylphenol due to low recoveries in LCS/LCSD-63381. Possible low bias for 4-Nitrophenol due to low recoveries in the CCV. RLC demonstrates control for this analyte.

23030255-001 through 004 SVOC-MSTR_NPW(8270E): Z: Method Deviation: Sample result for 2-

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Case Narrative

WO#: 23030255
Date: 3/16/2023

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

Butoxyethanol was quantitated against an Initial Calibration (ICAL) that was not verified by a second source due to lack of standard. Sample is ND for this analyte. Sample was extracted and analyzed without a Laboratory Control Sample (LCS) prepared from a second source for 2-Butoxyethanol due to lack of standard. Sample is ND for this analyte.

23030255-002 through 004 SVOC-MSTR_NPW(8270E): Low surrogate recovery confirmed by reanalysis.

23030255-001 through 006 VOC-MSTR_NPW(8260D): CCV exhibited high recoveries for 1,3-Butadiene. Investigative sample is non-detect for this analyte. Possible low bias for Acrylonitrile, 1,4-Dioxane, Vinyl acetate and Tetrahydrofuran due to low recoveries in CCV. Adequate instrument sensitivity demonstrated in the Detection Limit Check.

23030255-001 through 006 VOC_DW(524.2): MB-R159459 exhibited detections for several analytes > 1/2 PQL, but < PQL. Sample is ND for these analytes.

Revised report provided 16Mar23.
-Alcohols via SW8015 removed
-Case narrative updated
-2-Butoxyethanol added to SW8270

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Workorder
Sample Summary
 WO#: 23030255
 16-Mar-23

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

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
23030255-001	MW-1 EP Village Sent. Well		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-001	MW-1 EP Village Sent. Well		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-001	MW-1 EP Village Sent. Well		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-001	MW-1 EP Village Sent. Well		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-001	MW-1 EP Village Sent. Well		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-002	MW-2 EP Village Sent. Well		3/2/2023 4:00:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-002	MW-2 EP Village Sent. Well		3/2/2023 4:00:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-002	MW-2 EP Village Sent. Well		3/2/2023 4:00:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-002	MW-2 EP Village Sent. Well		3/2/2023 4:00:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-002	MW-2 EP Village Sent. Well		3/2/2023 4:00:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-003	MW-1 Dupe MW-1 Duplicate		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-003	MW-1 Dupe MW-1 Duplicate		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-003	MW-1 Dupe MW-1 Duplicate		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-003	MW-1 Dupe MW-1 Duplicate		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-003	MW-1 Dupe MW-1 Duplicate		3/2/2023 2:05:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-004	MW-1 FB Field Blank		3/2/2023 3:10:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-004	MW-1 FB Field Blank		3/2/2023 3:10:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-004	MW-1 FB Field Blank		3/2/2023 3:10:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-004	MW-1 FB Field Blank		3/2/2023 3:10:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-004	MW-1 FB Field Blank		3/2/2023 3:10:00 PM	3/3/2023 10:15:00 AM	Drinking Water
23030255-005	Trip Blank-1			3/3/2023 10:15:00 AM	Drinking Water
23030255-005	Trip Blank-1			3/3/2023 10:15:00 AM	Drinking Water
23030255-005	Trip Blank-1			3/3/2023 10:15:00 AM	Drinking Water



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Workorder
Sample Summary
 WO#: **23030255**
16-Mar-23

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

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
23030255-006	Trip Blank-2			3/3/2023 10:15:00 AM	Drinking Water
23030255-006	Trip Blank-2			3/3/2023 10:15:00 AM	Drinking Water
23030255-006	Trip Blank-2			3/3/2023 10:15:00 AM	Drinking Water



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-001 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 EP Village Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GLYCOLS (8015)				SW8015C	Analyst: JDB	
Diethylene glycol	ND	5000		µg/L	1	3/7/2023 2:58:00 PM
Ethylene glycol	ND	5000		µg/L	1	3/7/2023 2:58:00 PM
Propylene glycol	ND	5000		µg/L	1	3/7/2023 2:58:00 PM
Triethylene glycol	ND	5000		µg/L	1	3/7/2023 2:58:00 PM
EPA504.-DW				E504.1	E504.1	Analyst: PGP
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/12/2023 6:14:00 AM
Ethylene dibromide	ND	0.0200		µg/L	1	3/12/2023 6:14:00 AM
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)				E525	525	Analyst: CSS
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
2,4-Dinitrotoluene	ND	0.198		µg/L	1	3/14/2023 7:39:00 AM
Acenaphthylene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Anthracene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Benzo(a)anthracene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Benzo(a)pyrene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Benzo(b)fluoranthene	ND	0.0990	QL-	µg/L	1	3/14/2023 7:39:00 AM
Benzo(g,h,i)perylene	ND	0.0990	QL-	µg/L	1	3/14/2023 7:39:00 AM
Benzo(k)fluoranthene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Bis(2-ethylhexyl) phthalate	0.168	0.198	JQL-	µg/L	1	3/14/2023 7:39:00 AM
Butyl benzyl phthalate	ND	0.198		µg/L	1	3/14/2023 7:39:00 AM
Chrysene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Dibenz(a,h)anthracene	ND	0.0990	QL-	µg/L	1	3/14/2023 7:39:00 AM
Diethyl phthalate	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Dimethyl phthalate	ND	0.198		µg/L	1	3/14/2023 7:39:00 AM
Di-n-butyl phthalate	ND	0.198		µg/L	1	3/14/2023 7:39:00 AM
Fluorene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Hexachlorobenzene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Hexachlorocyclopentadiene	ND	0.0990	QL-	µg/L	1	3/14/2023 7:39:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.990	QL-	µg/L	1	3/14/2023 7:39:00 AM
Isophorone	ND	0.198	QL-	µg/L	1	3/14/2023 7:39:00 AM
Phenanthrene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM
Pyrene	ND	0.0990		µg/L	1	3/14/2023 7:39:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-001 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 EP Village 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	85.6	70 - 130		%Rec	1	3/14/2023 7:39:00 AM
Surr: Benzo(a)pyrene-d12	95.6	70 - 130		%Rec	1	3/14/2023 7:39:00 AM
Surr: Triphenyl phosphate	118	70 - 130		%Rec	1	3/14/2023 7:39:00 AM

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

Benzoic acid	ND	15.8		µg/L	1	3/10/2023 6:39:00 AM
2,6-Dinitrotoluene	ND	0.990	QC+	µg/L	1	3/10/2023 6:39:00 AM
2-Butoxyethanol	ND	29.7	Z	µg/L	1	3/15/2023 7:28:00 PM
2-Methylnaphthalene	ND	0.990		µg/L	1	3/10/2023 6:39:00 AM
3,3'-Dichlorobenzidine	ND	9.90		µg/L	1	3/10/2023 6:39:00 AM
4-Nitrophenol	ND	4.95	QC-	µg/L	1	3/10/2023 6:39:00 AM
Acenaphthene	ND	0.990		µg/L	1	3/10/2023 6:39:00 AM
Bis(2-chloroethyl) ether	ND	0.990		µg/L	1	3/10/2023 6:39:00 AM
Di-n-octyl phthalate	ND	4.95		µg/L	1	3/10/2023 6:39:00 AM
Fluoranthene	ND	0.990		µg/L	1	3/10/2023 6:39:00 AM
Naphthalene	ND	0.990		µg/L	1	3/10/2023 6:39:00 AM
Phenol	ND	0.990		µg/L	1	3/10/2023 6:39:00 AM
3&4-Methylphenol	ND	0.990	QL-	µg/L	1	3/10/2023 6:39:00 AM
Surr: 2-Fluorophenol	42.9	20 - 130		%Rec	1	3/10/2023 6:39:00 AM
Surr: Phenol-d6	26.7	20 - 130		%Rec	1	3/10/2023 6:39:00 AM
Surr: Nitrobenzene-d5	85.0	27.4 - 130		%Rec	1	3/10/2023 6:39:00 AM
Surr: 2,4,6-Tribromophenol	55.4	54.3 - 133		%Rec	1	3/10/2023 6:39:00 AM
Surr: 2-Fluorobiphenyl	69.4	25.6 - 130		%Rec	1	3/10/2023 6:39:00 AM
Surr: p-Terphenyl-d14	108	20 - 181		%Rec	1	3/10/2023 6:39:00 AM

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

1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-001 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 EP Village Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ZDA	
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,2,4-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 3:50:00 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,3,5-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 3:50:00 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/8/2023 3:50:00 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
2-Hexanone	ND	5.00		µg/L	1	3/8/2023 3:50:00 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/8/2023 3:50:00 AM
Acetone	ND	5.00		µg/L	1	3/8/2023 3:50:00 AM
Benzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Bromobenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Bromoform	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Bromomethane	ND	1.00		µg/L	1	3/8/2023 3:50:00 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Chlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Chlorobromomethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Chlorodibromomethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Chloroethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Chloroform	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Chloromethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Dibromomethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM

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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-001 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 EP Village Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ZDA	
VOC-GC/MS (524.2)						
Ethylbenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Isopropylbenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
m,p-Xylene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Methylene chloride	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
MTBE	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
n-Butylbenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
n-Propylbenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
o-Xylene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
sec-Butylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 3:50:00 AM
Styrene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/8/2023 3:50:00 AM
tert-Butylbenzene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Tetrachloroethene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Toluene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Trichloroethene	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Vinyl chloride	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Xylenes, Total	ND	0.500		µg/L	1	3/8/2023 3:50:00 AM
Surr: 1,2-Dichlorobenzene-d4	84.0	70 - 130		%Rec	1	3/8/2023 3:50:00 AM
Surr: 4-Bromofluorobenzene	83.6	70 - 130		%Rec	1	3/8/2023 3:50:00 AM

VOC ANALYSIS (8260D)				SW8260	Analyst: MES	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
1,3-Butadiene	ND	5.00	QC+	µg/L	1	3/6/2023 3:14:00 AM
1,4-Dioxane	ND	25.0	QC-	µg/L	1	3/6/2023 3:14:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
2-Butanone	ND	25.0		µg/L	1	3/6/2023 3:14:00 AM
2-Nitropropane	ND	50.0		µg/L	1	3/6/2023 3:14:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



Summit Environmental Technologies, Inc.
 3310 Win St.
 Cuyahoga Falls, Ohio 44223
 TEL: (330) 253-8211 FAX: (330) 253-4489
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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-001 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 EP Village Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC ANALYSIS (8260D)				SW8260	Analyst: MES	
VOC BY GC/MS (8260D)						
Acrylonitrile (2-propenenitrile)	ND	30.0	QC-	µg/L	1	3/6/2023 3:14:00 AM
Allyl chloride	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Carbon disulfide	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Chloroprene	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Cyclohexanone	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Ethyl Ether	ND	10.0		µg/L	1	3/6/2023 3:14:00 AM
Epichlorohydrin	ND	20.0		µg/L	1	3/6/2023 3:14:00 AM
ETBE	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Ethyl acrylate	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Ethyl methacrylate	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Hexachloroethane	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Methacrylonitrile	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Methyl acrylate	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Methyl methacrylate	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Propionitrile	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Vinyl acetate	ND	5.00	QC-	µg/L	1	3/6/2023 3:14:00 AM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/6/2023 3:14:00 AM
Surr: 4-Bromofluorobenzene	94.6	70 - 130		%Rec	1	3/6/2023 3:14:00 AM
Surr: Dibromofluoromethane	103	70 - 130		%Rec	1	3/6/2023 3:14:00 AM
Surr: Toluene-d8	102	70 - 130		%Rec	1	3/6/2023 3:14:00 AM

VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: MES	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/6/2023 3:14:00 AM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/6/2023 3:14:00 AM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/6/2023 3:14:00 AM
TIC: 2-Ethylhexyl acrylate	ND		J	µg/L	1	3/6/2023 3:14:00 AM
TIC: Benzyl chloride	ND		J	µg/L	1	3/6/2023 3:14:00 AM
TIC: Bromoethane	ND		J	µg/L	1	3/6/2023 3:14:00 AM
TIC: Chloroacetonitrile	ND		J	µg/L	1	3/6/2023 3:14:00 AM
TIC: n-Butyl acrylate	ND		J	µg/L	1	3/6/2023 3:14:00 AM
TIC: Pentachloroethane	ND		J	µg/L	1	3/6/2023 3:14:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 4:00:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-002 **Matrix:** DRINKING WATER
Client Sample ID: MW-2 EP Village Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GLYCOLS (8015)				SW8015C	Analyst: JDB	
Diethylene glycol	ND	5000		µg/L	1	3/7/2023 3:35:00 PM
Ethylene glycol	ND	5000		µg/L	1	3/7/2023 3:35:00 PM
Propylene glycol	ND	5000		µg/L	1	3/7/2023 3:35:00 PM
Triethylene glycol	ND	5000		µg/L	1	3/7/2023 3:35:00 PM
EPA504.-DW				E504.1	E504.1	Analyst: PGP
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/12/2023 6:35:00 AM
Ethylene dibromide	ND	0.0200		µg/L	1	3/12/2023 6:35:00 AM
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)				E525	525	Analyst: CSS
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
2,4-Dinitrotoluene	ND	0.190		µg/L	1	3/14/2023 8:26:00 AM
Acenaphthylene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Anthracene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Benzo(a)anthracene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Benzo(a)pyrene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Benzo(b)fluoranthene	ND	0.0952	QL-	µg/L	1	3/14/2023 8:26:00 AM
Benzo(g,h,i)perylene	ND	0.0952	QL-	µg/L	1	3/14/2023 8:26:00 AM
Benzo(k)fluoranthene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Bis(2-ethylhexyl) phthalate	0.162	0.190	JQL-	µg/L	1	3/14/2023 8:26:00 AM
Butyl benzyl phthalate	ND	0.190		µg/L	1	3/14/2023 8:26:00 AM
Chrysene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Dibenz(a,h)anthracene	ND	0.0952	QL-	µg/L	1	3/14/2023 8:26:00 AM
Diethyl phthalate	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Dimethyl phthalate	ND	0.190		µg/L	1	3/14/2023 8:26:00 AM
Di-n-butyl phthalate	ND	0.190		µg/L	1	3/14/2023 8:26:00 AM
Fluorene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Hexachlorobenzene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Hexachlorocyclopentadiene	ND	0.0952	QL-	µg/L	1	3/14/2023 8:26:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.952	QL-	µg/L	1	3/14/2023 8:26:00 AM
Isophorone	ND	0.190	QL-	µg/L	1	3/14/2023 8:26:00 AM
Phenanthrene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM
Pyrene	ND	0.0952		µg/L	1	3/14/2023 8:26:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 4:00:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-002 **Matrix:** DRINKING WATER
Client Sample ID: MW-2 EP Village 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...	70.2	70 - 130	m	%Rec	1	3/14/2023 8:26:00 AM
Surr: Benzo(a)pyrene-d12	91.6	70 - 130		%Rec	1	3/14/2023 8:26:00 AM
Surr: Triphenyl phosphate	114	70 - 130		%Rec	1	3/14/2023 8:26:00 AM
SVOC BY SW8270E				SW8270	SW3510C	Analyst: JAP
SVOC BY 8270E						
Benzoic acid	ND	15.7		µg/L	1	3/10/2023 7:10:00 AM
2,6-Dinitrotoluene	ND	0.980	QC+	µg/L	1	3/10/2023 7:10:00 AM
2-Butoxyethanol	ND	29.4	Z	µg/L	1	3/15/2023 7:48:00 PM
2-Methylnaphthalene	ND	0.980		µg/L	1	3/10/2023 7:10:00 AM
3,3'-Dichlorobenzidine	ND	9.80		µg/L	1	3/10/2023 7:10:00 AM
4-Nitrophenol	ND	4.90	QC-	µg/L	1	3/10/2023 7:10:00 AM
Acenaphthene	ND	0.980		µg/L	1	3/10/2023 7:10:00 AM
Bis(2-chloroethyl) ether	ND	0.980		µg/L	1	3/10/2023 7:10:00 AM
Di-n-octyl phthalate	ND	4.90		µg/L	1	3/10/2023 7:10:00 AM
Fluoranthene	ND	0.980		µg/L	1	3/10/2023 7:10:00 AM
Naphthalene	ND	0.980		µg/L	1	3/10/2023 7:10:00 AM
Phenol	ND	0.980		µg/L	1	3/10/2023 7:10:00 AM
3&4-Methylphenol	ND	0.980	QL-	µg/L	1	3/10/2023 7:10:00 AM
Surr: 2-Fluorophenol	41.7	20 - 130		%Rec	1	3/10/2023 7:10:00 AM
Surr: Phenol-d6	26.0	20 - 130		%Rec	1	3/10/2023 7:10:00 AM
Surr: Nitrobenzene-d5	80.2	27.4 - 130		%Rec	1	3/10/2023 7:10:00 AM
Surr: 2,4,6-Tribromophenol	53.1	54.3 - 133	S	%Rec	1	3/10/2023 7:10:00 AM
Surr: 2-Fluorobiphenyl	71.4	25.6 - 130		%Rec	1	3/10/2023 7:10:00 AM
Surr: p-Terphenyl-d14	109	20 - 181		%Rec	1	3/10/2023 7:10:00 AM
DRINKING WATER VOCs (EPA 524.2)				E524.2		Analyst: ZDA
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 4:00:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-002 **Matrix:** DRINKING WATER
Client Sample ID: MW-2 EP Village Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ZDA	
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,2,4-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 4:19:00 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,3,5-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 4:19:00 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/8/2023 4:19:00 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
2-Hexanone	ND	5.00		µg/L	1	3/8/2023 4:19:00 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/8/2023 4:19:00 AM
Acetone	ND	5.00		µg/L	1	3/8/2023 4:19:00 AM
Benzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Bromobenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Bromoform	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Bromomethane	0.621	1.00	J	µg/L	1	3/8/2023 4:19:00 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Chlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Chlorobromomethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Chlorodibromomethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Chloroethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Chloroform	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Chloromethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Dibromomethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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	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#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 4:00:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-002 **Matrix:** DRINKING WATER
Client Sample ID: MW-2 EP Village Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ZDA	
VOC-GC/MS (524.2)						
Ethylbenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Isopropylbenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
m,p-Xylene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Methylene chloride	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
MTBE	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
n-Butylbenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
n-Propylbenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
o-Xylene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
sec-Butylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 4:19:00 AM
Styrene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/8/2023 4:19:00 AM
tert-Butylbenzene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Tetrachloroethene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Toluene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Trichloroethene	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Vinyl chloride	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Xylenes, Total	ND	0.500		µg/L	1	3/8/2023 4:19:00 AM
Surr: 1,2-Dichlorobenzene-d4	84.0	70 - 130		%Rec	1	3/8/2023 4:19:00 AM
Surr: 4-Bromofluorobenzene	84.6	70 - 130		%Rec	1	3/8/2023 4:19:00 AM

VOC ANALYSIS (8260D)				SW8260	Analyst: MES	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
1,3-Butadiene	ND	5.00	QC+	µg/L	1	3/6/2023 3:37:00 AM
1,4-Dioxane	ND	25.0	QC-	µg/L	1	3/6/2023 3:37:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
2-Butanone	ND	25.0		µg/L	1	3/6/2023 3:37:00 AM
2-Nitropropane	ND	50.0		µg/L	1	3/6/2023 3:37:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
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	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#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 4:00:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-002 **Matrix:** DRINKING WATER
Client Sample ID: MW-2 EP Village Sent. Well

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC ANALYSIS (8260D)				SW8260	Analyst: MES	
VOC BY GC/MS (8260D)						
Acrylonitrile (2-propenenitrile)	ND	30.0	QC-	µg/L	1	3/6/2023 3:37:00 AM
Allyl chloride	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Carbon disulfide	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Chloroprene	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Cyclohexanone	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Ethyl Ether	ND	10.0		µg/L	1	3/6/2023 3:37:00 AM
Epichlorohydrin	ND	20.0		µg/L	1	3/6/2023 3:37:00 AM
ETBE	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Ethyl acrylate	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Ethyl methacrylate	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Hexachloroethane	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Methacrylonitrile	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Methyl acrylate	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Methyl methacrylate	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Propionitrile	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Vinyl acetate	ND	5.00	QC-	µg/L	1	3/6/2023 3:37:00 AM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/6/2023 3:37:00 AM
Surr: 4-Bromofluorobenzene	97.7	70 - 130		%Rec	1	3/6/2023 3:37:00 AM
Surr: Dibromofluoromethane	99.3	70 - 130		%Rec	1	3/6/2023 3:37:00 AM
Surr: Toluene-d8	102	70 - 130		%Rec	1	3/6/2023 3:37:00 AM

VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: MES	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/6/2023 3:37:00 AM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/6/2023 3:37:00 AM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/6/2023 3:37:00 AM
TIC: 2-Ethylhexyl acrylate	ND		J	µg/L	1	3/6/2023 3:37:00 AM
TIC: Benzyl chloride	ND		J	µg/L	1	3/6/2023 3:37:00 AM
TIC: Bromoethane	ND		J	µg/L	1	3/6/2023 3:37:00 AM
TIC: Chloroacetonitrile	ND		J	µg/L	1	3/6/2023 3:37:00 AM
TIC: n-Butyl acrylate	ND		J	µg/L	1	3/6/2023 3:37:00 AM
TIC: Pentachloroethane	ND		J	µg/L	1	3/6/2023 3:37:00 AM

Qualifiers:						
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response			
ND	Not Detected	P	Second column confirmation exceeds			
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					

Revision v1



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

Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-003 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 Dupe MW-1 Duplicate

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GLYCOLS (8015)				SW8015C	Analyst: JDB	
Diethylene glycol	ND	5000		µg/L	1	3/7/2023 4:12:00 PM
Ethylene glycol	ND	5000		µg/L	1	3/7/2023 4:12:00 PM
Propylene glycol	ND	5000		µg/L	1	3/7/2023 4:12:00 PM
Triethylene glycol	ND	5000		µg/L	1	3/7/2023 4:12:00 PM
EPA504.-DW				E504.1	E504.1	Analyst: PGP
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/12/2023 7:37:00 AM
Ethylene dibromide	ND	0.0200		µg/L	1	3/12/2023 7:37:00 AM
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)				E525	525	Analyst: CSS
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
2,4-Dinitrotoluene	ND	0.196		µg/L	1	3/14/2023 9:12:00 AM
Acenaphthylene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Anthracene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Benzo(a)anthracene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Benzo(a)pyrene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Benzo(b)fluoranthene	ND	0.0980	QL-	µg/L	1	3/14/2023 9:12:00 AM
Benzo(g,h,i)perylene	ND	0.0980	QL-	µg/L	1	3/14/2023 9:12:00 AM
Benzo(k)fluoranthene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Bis(2-ethylhexyl) phthalate	0.196	0.196	QL-	µg/L	1	3/14/2023 9:12:00 AM
Butyl benzyl phthalate	ND	0.196		µg/L	1	3/14/2023 9:12:00 AM
Chrysene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Dibenz(a,h)anthracene	ND	0.0980	QL-	µg/L	1	3/14/2023 9:12:00 AM
Diethyl phthalate	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Dimethyl phthalate	ND	0.196		µg/L	1	3/14/2023 9:12:00 AM
Di-n-butyl phthalate	ND	0.196		µg/L	1	3/14/2023 9:12:00 AM
Fluorene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Hexachlorobenzene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Hexachlorocyclopentadiene	ND	0.0980	QL-	µg/L	1	3/14/2023 9:12:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.980	QL-	µg/L	1	3/14/2023 9:12:00 AM
Isophorone	ND	0.196	QL-	µg/L	1	3/14/2023 9:12:00 AM
Phenanthrene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM
Pyrene	ND	0.0980		µg/L	1	3/14/2023 9:12:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-003 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 Dupe MW-1 Duplicate

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-nitrobenz...	85.2	70 - 130		%Rec	1	3/14/2023 9:12:00 AM
Surr: Benzo(a)pyrene-d12	104	70 - 130		%Rec	1	3/14/2023 9:12:00 AM
Surr: Triphenyl phosphate	117	70 - 130		%Rec	1	3/14/2023 9:12:00 AM

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

Benzoic acid	ND	15.5		µg/L	1	3/10/2023 7:42:00 AM
2,6-Dinitrotoluene	ND	0.971	QC+	µg/L	1	3/10/2023 7:42:00 AM
2-Butoxyethanol	ND	29.1	Z	µg/L	1	3/15/2023 8:07:00 PM
2-Methylnaphthalene	ND	0.971		µg/L	1	3/10/2023 7:42:00 AM
3,3'-Dichlorobenzidine	ND	9.71		µg/L	1	3/10/2023 7:42:00 AM
4-Nitrophenol	ND	4.85	QC-	µg/L	1	3/10/2023 7:42:00 AM
Acenaphthene	ND	0.971		µg/L	1	3/10/2023 7:42:00 AM
Bis(2-chloroethyl) ether	ND	0.971		µg/L	1	3/10/2023 7:42:00 AM
Di-n-octyl phthalate	ND	4.85		µg/L	1	3/10/2023 7:42:00 AM
Fluoranthene	ND	0.971		µg/L	1	3/10/2023 7:42:00 AM
Naphthalene	ND	0.971		µg/L	1	3/10/2023 7:42:00 AM
Phenol	ND	0.971		µg/L	1	3/10/2023 7:42:00 AM
3&4-Methylphenol	ND	0.971	QL-	µg/L	1	3/10/2023 7:42:00 AM
Surr: 2-Fluorophenol	39.8	20 - 130		%Rec	1	3/10/2023 7:42:00 AM
Surr: Phenol-d6	24.3	20 - 130		%Rec	1	3/10/2023 7:42:00 AM
Surr: Nitrobenzene-d5	87.2	27.4 - 130		%Rec	1	3/10/2023 7:42:00 AM
Surr: 2,4,6-Tribromophenol	47.1	54.3 - 133	S	%Rec	1	3/10/2023 7:42:00 AM
Surr: 2-Fluorobiphenyl	75.0	25.6 - 130		%Rec	1	3/10/2023 7:42:00 AM
Surr: p-Terphenyl-d14	107	20 - 181		%Rec	1	3/10/2023 7:42:00 AM

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

1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM

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

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-003 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 Dupe MW-1 Duplicate

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ZDA	
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,2,4-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 4:47:00 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,3,5-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 4:47:00 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/8/2023 4:47:00 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
2-Hexanone	ND	5.00		µg/L	1	3/8/2023 4:47:00 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/8/2023 4:47:00 AM
Acetone	ND	5.00		µg/L	1	3/8/2023 4:47:00 AM
Benzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Bromobenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Bromoform	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Bromomethane	ND	1.00		µg/L	1	3/8/2023 4:47:00 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Chlorobenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Chlorobromomethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Chlorodibromomethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Chloroethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Chloroform	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Chloromethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Dibromomethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-003 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 Dupe MW-1 Duplicate

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ZDA	
VOC-GC/MS (524.2)						
Ethylbenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Isopropylbenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
m,p-Xylene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Methylene chloride	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
MTBE	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
n-Butylbenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
n-Propylbenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
o-Xylene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
sec-Butylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 4:47:00 AM
Styrene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/8/2023 4:47:00 AM
tert-Butylbenzene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Tetrachloroethene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Toluene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Trichloroethene	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Vinyl chloride	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Xylenes, Total	ND	0.500		µg/L	1	3/8/2023 4:47:00 AM
Surr: 1,2-Dichlorobenzene-d4	86.9	70 - 130		%Rec	1	3/8/2023 4:47:00 AM
Surr: 4-Bromofluorobenzene	87.0	70 - 130		%Rec	1	3/8/2023 4:47:00 AM

VOC ANALYSIS (8260D)				SW8260	Analyst: MES	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
1,3-Butadiene	ND	5.00	QC+	µg/L	1	3/6/2023 4:00:00 AM
1,4-Dioxane	ND	25.0	QC-	µg/L	1	3/6/2023 4:00:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
2-Butanone	ND	25.0		µg/L	1	3/6/2023 4:00:00 AM
2-Nitropropane	ND	50.0		µg/L	1	3/6/2023 4:00:00 AM

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

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 2:05:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-003 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 Dupe MW-1 Duplicate

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC ANALYSIS (8260D)				SW8260	Analyst: MES	
VOC BY GC/MS (8260D)						
Acrylonitrile (2-propenenitrile)	ND	30.0	QC-	µg/L	1	3/6/2023 4:00:00 AM
Allyl chloride	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Carbon disulfide	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Chloroprene	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Cyclohexanone	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Ethyl Ether	ND	10.0		µg/L	1	3/6/2023 4:00:00 AM
Epichlorohydrin	ND	20.0		µg/L	1	3/6/2023 4:00:00 AM
ETBE	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Ethyl acrylate	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Ethyl methacrylate	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Hexachloroethane	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Methacrylonitrile	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Methyl acrylate	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Methyl methacrylate	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Propionitrile	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Vinyl acetate	ND	5.00	QC-	µg/L	1	3/6/2023 4:00:00 AM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/6/2023 4:00:00 AM
Surr: 4-Bromofluorobenzene	99.1	70 - 130		%Rec	1	3/6/2023 4:00:00 AM
Surr: Dibromofluoromethane	103	70 - 130		%Rec	1	3/6/2023 4:00:00 AM
Surr: Toluene-d8	101	70 - 130		%Rec	1	3/6/2023 4:00:00 AM

VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: MES	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/6/2023 4:00:00 AM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/6/2023 4:00:00 AM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/6/2023 4:00:00 AM
TIC: 2-Ethylhexyl acrylate	ND		J	µg/L	1	3/6/2023 4:00:00 AM
TIC: Benzyl chloride	ND		J	µg/L	1	3/6/2023 4:00:00 AM
TIC: Bromoethane	ND		J	µg/L	1	3/6/2023 4:00:00 AM
TIC: Chloroacetonitrile	ND		J	µg/L	1	3/6/2023 4:00:00 AM
TIC: n-Butyl acrylate	ND		J	µg/L	1	3/6/2023 4:00:00 AM
TIC: Pentachloroethane	ND		J	µg/L	1	3/6/2023 4:00:00 AM

Qualifiers:						
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response			
ND	Not Detected	P	Second column confirmation exceeds			
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					

Revision v1



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

Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 3:10:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-004 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 FB Field Blank

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GLYCOLS (8015)		SW8015C			Analyst: JDB	
Diethylene glycol	ND	5000		µg/L	1	3/7/2023 4:49:00 PM
Ethylene glycol	ND	5000		µg/L	1	3/7/2023 4:49:00 PM
Propylene glycol	ND	5000		µg/L	1	3/7/2023 4:49:00 PM
Triethylene glycol	ND	5000		µg/L	1	3/7/2023 4:49:00 PM
EPA504.-DW		E504.1			Analyst: PGP	
EDB, DBCP, 123TCP BY GC (EPA 504.1)						
Dibromochloropropane	ND	0.0400		µg/L	1	3/12/2023 7:57:00 AM
Ethylene dibromide	ND	0.0200		µg/L	1	3/12/2023 7:57:00 AM
DRINKING WATER ORGANIC COMPOUNDS (EPA 525)		E525			Analyst: CSS	
SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)						
2,4-Dinitrotoluene	ND	0.190		µg/L	1	3/14/2023 9:59:00 AM
Acenaphthylene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Anthracene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Benzo(a)anthracene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Benzo(a)pyrene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Benzo(b)fluoranthene	ND	0.0952	QL-	µg/L	1	3/14/2023 9:59:00 AM
Benzo(g,h,i)perylene	ND	0.0952	QL-	µg/L	1	3/14/2023 9:59:00 AM
Benzo(k)fluoranthene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Bis(2-ethylhexyl) phthalate	0.162	0.190	JQL-	µg/L	1	3/14/2023 9:59:00 AM
Butyl benzyl phthalate	ND	0.190		µg/L	1	3/14/2023 9:59:00 AM
Chrysene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Dibenz(a,h)anthracene	ND	0.0952	QL-	µg/L	1	3/14/2023 9:59:00 AM
Diethyl phthalate	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Dimethyl phthalate	ND	0.190		µg/L	1	3/14/2023 9:59:00 AM
Di-n-butyl phthalate	ND	0.190		µg/L	1	3/14/2023 9:59:00 AM
Fluorene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Hexachlorobenzene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Hexachlorocyclopentadiene	ND	0.0952	QL-	µg/L	1	3/14/2023 9:59:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.952	QL-	µg/L	1	3/14/2023 9:59:00 AM
Isophorone	ND	0.190	QL-	µg/L	1	3/14/2023 9:59:00 AM
Phenanthrene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM
Pyrene	ND	0.0952		µg/L	1	3/14/2023 9:59:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030255-004
Client Sample ID: MW-1 FB Field Blank

Collection Date: 3/2/2023 3:10:00 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...	84.6	70	- 130	%Rec	1	3/14/2023 9:59:00 AM
Surr: Benzo(a)pyrene-d12	105	70	- 130	%Rec	1	3/14/2023 9:59:00 AM
Surr: Triphenyl phosphate	120	70	- 130	%Rec	1	3/14/2023 9:59:00 AM
SVOC BY SW8270E					SW8270	
SVOC BY 8270E					SW3510C	Analyst: JAP
Benzoic acid	ND	15.5		µg/L	1	3/10/2023 8:13:00 AM
2,6-Dinitrotoluene	ND	0.971	QC+	µg/L	1	3/10/2023 8:13:00 AM
2-Butoxyethanol	ND	29.1	Z	µg/L	1	3/15/2023 8:26:00 PM
2-Methylnaphthalene	ND	0.971		µg/L	1	3/10/2023 8:13:00 AM
3,3'-Dichlorobenzidine	ND	9.71		µg/L	1	3/10/2023 8:13:00 AM
4-Nitrophenol	ND	4.85	QC-	µg/L	1	3/10/2023 8:13:00 AM
Acenaphthene	ND	0.971		µg/L	1	3/10/2023 8:13:00 AM
Bis(2-chloroethyl) ether	ND	0.971		µg/L	1	3/10/2023 8:13:00 AM
Di-n-octyl phthalate	ND	4.85		µg/L	1	3/10/2023 8:13:00 AM
Fluoranthene	ND	0.971		µg/L	1	3/10/2023 8:13:00 AM
Naphthalene	ND	0.971		µg/L	1	3/10/2023 8:13:00 AM
Phenol	ND	0.971		µg/L	1	3/10/2023 8:13:00 AM
3&4-Methylphenol	ND	0.971	QL-	µg/L	1	3/10/2023 8:13:00 AM
Surr: 2-Fluorophenol	43.2	20	- 130	%Rec	1	3/10/2023 8:13:00 AM
Surr: Phenol-d6	25.4	20	- 130	%Rec	1	3/10/2023 8:13:00 AM
Surr: Nitrobenzene-d5	96.7	27.4	- 130	%Rec	1	3/10/2023 8:13:00 AM
Surr: 2,4,6-Tribromophenol	45.3	54.3	- 133	S %Rec	1	3/10/2023 8:13:00 AM
Surr: 2-Fluorobiphenyl	80.3	25.6	- 130	%Rec	1	3/10/2023 8:13:00 AM
Surr: p-Terphenyl-d14	107	20	- 181	%Rec	1	3/10/2023 8:13:00 AM
DRINKING WATER VOCs (EPA 524.2)					E524.2	
VOC-GC/MS (524.2)						Analyst: ZDA
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM

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

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW

Collection Date: 3/2/2023 3:10:00 PM

Project: Ohio EPA PWS-EP

Lab ID: 23030255-004

Matrix: DRINKING WATER

Client Sample ID: MW-1 FB Field Blank

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ZDA	
VOC-GC/MS (524.2)						
1,1-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,2,4-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 3:21:00 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,3,5-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 3:21:00 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/8/2023 3:21:00 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
2-Chlorotoluene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
2-Hexanone	ND	5.00		µg/L	1	3/8/2023 3:21:00 AM
4-Chlorotoluene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/8/2023 3:21:00 AM
Acetone	19.2	5.00		µg/L	1	3/8/2023 3:21:00 AM
Benzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Bromobenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Bromodichloromethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Bromoform	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Bromomethane	ND	1.00		µg/L	1	3/8/2023 3:21:00 AM
Carbon tetrachloride	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Chlorobenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Chlorobromomethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Chlorodibromomethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Chloroethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Chloroform	0.550	0.500		µg/L	1	3/8/2023 3:21:00 AM
Chloromethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Dibromomethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 3:10:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-004 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 FB Field Blank

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2	Analyst: ZDA	
VOC-GC/MS (524.2)						
Ethylbenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Isopropylbenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
m,p-Xylene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Methylene chloride	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
MTBE	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
n-Butylbenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
n-Propylbenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
o-Xylene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
sec-Butylbenzene	ND	0.500	MB+	µg/L	1	3/8/2023 3:21:00 AM
Styrene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/8/2023 3:21:00 AM
tert-Butylbenzene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Tetrachloroethene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Toluene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Trichloroethene	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Vinyl chloride	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Xylenes, Total	ND	0.500		µg/L	1	3/8/2023 3:21:00 AM
Surr: 1,2-Dichlorobenzene-d4	87.1	70 - 130		%Rec	1	3/8/2023 3:21:00 AM
Surr: 4-Bromofluorobenzene	82.3	70 - 130		%Rec	1	3/8/2023 3:21:00 AM

VOC ANALYSIS (8260D)				SW8260	Analyst: MES	
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
1,3-Butadiene	ND	5.00	QC+	µg/L	1	3/6/2023 4:24:00 AM
1,4-Dioxane	ND	25.0	QC-	µg/L	1	3/6/2023 4:24:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
2-Butanone	ND	25.0		µg/L	1	3/6/2023 4:24:00 AM
2-Nitropropane	ND	50.0		µg/L	1	3/6/2023 4:24:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW **Collection Date:** 3/2/2023 3:10:00 PM
Project: Ohio EPA PWS-EP
Lab ID: 23030255-004 **Matrix:** DRINKING WATER
Client Sample ID: MW-1 FB Field Blank

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC ANALYSIS (8260D)				SW8260	Analyst: MES	
VOC BY GC/MS (8260D)						
Acrylonitrile (2-propenenitrile)	ND	30.0	QC-	µg/L	1	3/6/2023 4:24:00 AM
Allyl chloride	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Carbon disulfide	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Chloroprene	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Cyclohexanone	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Ethyl Ether	ND	10.0		µg/L	1	3/6/2023 4:24:00 AM
Epichlorohydrin	ND	20.0		µg/L	1	3/6/2023 4:24:00 AM
ETBE	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Ethyl acrylate	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Ethyl methacrylate	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Hexachloroethane	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Methacrylonitrile	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Methyl acrylate	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Methyl methacrylate	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Propionitrile	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Vinyl acetate	ND	5.00	QC-	µg/L	1	3/6/2023 4:24:00 AM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/6/2023 4:24:00 AM
Surr: 4-Bromofluorobenzene	97.5	70 - 130		%Rec	1	3/6/2023 4:24:00 AM
Surr: Dibromofluoromethane	99.5	70 - 130		%Rec	1	3/6/2023 4:24:00 AM
Surr: Toluene-d8	100	70 - 130		%Rec	1	3/6/2023 4:24:00 AM

VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)				SW8260	Analyst: MES	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/6/2023 4:24:00 AM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/6/2023 4:24:00 AM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/6/2023 4:24:00 AM
TIC: 2-Ethylhexyl acrylate	ND		J	µg/L	1	3/6/2023 4:24:00 AM
TIC: Benzyl chloride	ND		J	µg/L	1	3/6/2023 4:24:00 AM
TIC: Bromoethane	ND		J	µg/L	1	3/6/2023 4:24:00 AM
TIC: Chloroacetonitrile	ND		J	µg/L	1	3/6/2023 4:24:00 AM
TIC: n-Butyl acrylate	ND		J	µg/L	1	3/6/2023 4:24:00 AM
TIC: Pentachloroethane	ND		J	µg/L	1	3/6/2023 4:24:00 AM

Qualifiers:						
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response			
ND	Not Detected	P	Second column confirmation exceeds			
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					

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030255-005

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	3/12/2023 8:18:00 AM
Ethylene dibromide	ND	0.0200		µg/L	1	3/12/2023 8:18:00 AM
DRINKING WATER VOCS (EPA 524.2)					E524.2	Analyst: ZDA
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,2,4-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/7/2023 11:03:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,3,5-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/7/2023 11:03:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/7/2023 11:03:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
2-Hexanone	ND	5.00		µg/L	1	3/7/2023 11:03:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/7/2023 11:03:00 PM
Acetone	ND	5.00		µg/L	1	3/7/2023 11:03:00 PM
Benzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Bromoform	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Bromomethane	ND	1.00		µg/L	1	3/7/2023 11:03:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030255-005
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: ZDA	
VOC-GC/MS (524.2)						
Carbon tetrachloride	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Chlorobromomethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Chlorodibromomethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Chloroethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Chloroform	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Chloromethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Ethylbenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Isopropylbenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
m,p-Xylene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Methylene chloride	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
MTBE	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
n-Butylbenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
n-Propylbenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
o-Xylene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
sec-Butylbenzene	ND	0.500	MB+	µg/L	1	3/7/2023 11:03:00 PM
Styrene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/7/2023 11:03:00 PM
tert-Butylbenzene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Tetrachloroethene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Toluene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Trichloroethene	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Vinyl chloride	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM
Xylenes, Total	ND	0.500		µg/L	1	3/7/2023 11:03:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030255-005

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: ZDA
VOC-GC/MS (524.2)						
Surr: 1,2-Dichlorobenzene-d4	86.6	70	-	130	%Rec	1 3/7/2023 11:03:00 PM
Surr: 4-Bromofluorobenzene	84.5	70	-	130	%Rec	1 3/7/2023 11:03:00 PM
VOC ANALYSIS (8260D)				SW8260		Analyst: MES
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
1,3-Butadiene	ND	5.00	QC+	µg/L	1	3/6/2023 4:47:00 AM
1,4-Dioxane	ND	25.0	QC-	µg/L	1	3/6/2023 4:47:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
2-Butanone	ND	25.0		µg/L	1	3/6/2023 4:47:00 AM
2-Nitropropane	ND	50.0		µg/L	1	3/6/2023 4:47:00 AM
Acrylonitrile (2-propenenitrile)	ND	30.0	QC-	µg/L	1	3/6/2023 4:47:00 AM
Allyl chloride	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Carbon disulfide	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Chloroprene	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Cyclohexanone	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Ethyl Ether	ND	10.0		µg/L	1	3/6/2023 4:47:00 AM
Epichlorohydrin	ND	20.0		µg/L	1	3/6/2023 4:47:00 AM
ETBE	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Ethyl acrylate	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Ethyl methacrylate	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Hexachloroethane	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Methacrylonitrile	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Methyl acrylate	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Methyl methacrylate	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Propionitrile	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Vinyl acetate	ND	5.00	QC-	µg/L	1	3/6/2023 4:47:00 AM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/6/2023 4:47:00 AM
Surr: 4-Bromofluorobenzene	98.4	70	-	130	%Rec	1 3/6/2023 4:47:00 AM
Surr: Dibromofluoromethane	105	70	-	130	%Rec	1 3/6/2023 4:47:00 AM
Surr: Toluene-d8	101	70	-	130	%Rec	1 3/6/2023 4:47:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: **23030255**

Date Reported: **3/16/2023**

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030255-005

Matrix: DRINKING WATER

Client Sample ID: Trip Blank-1

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)		SW8260			Analyst: MES	
TIC: 1-Chlorobutane	ND		J	µg/L	1	3/6/2023 4:47:00 AM
TIC: 1-Methylnaphthalene	ND		J	µg/L	1	3/6/2023 4:47:00 AM
TIC: 2-Butyloxyethyl acetate	ND		J	µg/L	1	3/6/2023 4:47:00 AM
TIC: 2-Ethylhexyl acrylate	ND		J	µg/L	1	3/6/2023 4:47:00 AM
TIC: Benzyl chloride	ND		J	µg/L	1	3/6/2023 4:47:00 AM
TIC: Bromoethane	ND		J	µg/L	1	3/6/2023 4:47:00 AM
TIC: Chloroacetonitrile	ND		J	µg/L	1	3/6/2023 4:47:00 AM
TIC: n-Butyl acrylate	ND		J	µg/L	1	3/6/2023 4:47:00 AM
TIC: Pentachloroethane	ND		J	µg/L	1	3/6/2023 4:47:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030255-006

Matrix: DRINKING WATER

Client Sample ID: Trip Blank-2

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	3/12/2023 8:39:00 AM
Ethylene dibromide	ND	0.0200		µg/L	1	3/12/2023 8:39:00 AM
DRINKING WATER VOCS (EPA 524.2)					E524.2	Analyst: ZDA
VOC-GC/MS (524.2)						
1,1,1,2-Tetrachloroethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,1,1-Trichloroethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,1,2,2-Tetrachloroethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,1,2-Trichloroethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,2,3-Trichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,2,3-Trichloropropane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,2,4-Trichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,2,4-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/7/2023 11:32:00 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,2-Dichloroethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,3,5-Trimethylbenzene	ND	0.500	MB+	µg/L	1	3/7/2023 11:32:00 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
1,3-Dichloropropene, Total	ND	1.00		µg/L	1	3/7/2023 11:32:00 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
2-Chlorotoluene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
2-Hexanone	ND	5.00		µg/L	1	3/7/2023 11:32:00 PM
4-Chlorotoluene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
4-Methyl-2-pentanone	ND	5.00		µg/L	1	3/7/2023 11:32:00 PM
Acetone	ND	5.00		µg/L	1	3/7/2023 11:32:00 PM
Benzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Bromobenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Bromodichloromethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Bromoform	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Bromomethane	ND	1.00		µg/L	1	3/7/2023 11:32:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW
Project: Ohio EPA PWS-EP
Lab ID: 23030255-006
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: ZDA	
VOC-GC/MS (524.2)						
Carbon tetrachloride	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Chlorobenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Chlorobromomethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Chlorodibromomethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Chloroethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Chloroform	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Chloromethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Dibromomethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Dichlorodifluoromethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Ethylbenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Isopropylbenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
m,p-Xylene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Methylene chloride	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
MTBE	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
n-Butylbenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
n-Propylbenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
o-Xylene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
p-Isopropyltoluene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
sec-Butylbenzene	ND	0.500	MB+	µg/L	1	3/7/2023 11:32:00 PM
Styrene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Tert-amyl methyl ether	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Tert-butyl Alcohol	ND	5.00		µg/L	1	3/7/2023 11:32:00 PM
tert-Butylbenzene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Tetrachloroethene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Toluene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
trans-1,3-Dichloropropene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Trichloroethene	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Trichlorofluoromethane	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Vinyl chloride	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM
Xylenes, Total	ND	0.500		µg/L	1	3/7/2023 11:32:00 PM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030255-006

Matrix: DRINKING WATER

Client Sample ID: Trip Blank-2

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRINKING WATER VOCS (EPA 524.2)				E524.2		Analyst: ZDA
VOC-GC/MS (524.2)						
Surr: 1,2-Dichlorobenzene-d4	84.0	70	-	130	%Rec	1 3/7/2023 11:32:00 PM
Surr: 4-Bromofluorobenzene	84.2	70	-	130	%Rec	1 3/7/2023 11:32:00 PM
VOC ANALYSIS (8260D)				SW8260		Analyst: MES
VOC BY GC/MS (8260D)						
Freon-113	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
1,3-Butadiene	ND	5.00	QC+	µg/L	1	3/6/2023 5:10:00 AM
1,4-Dioxane	ND	25.0	QC-	µg/L	1	3/6/2023 5:10:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
2-Butanone	ND	25.0		µg/L	1	3/6/2023 5:10:00 AM
2-Nitropropane	ND	50.0		µg/L	1	3/6/2023 5:10:00 AM
Acrylonitrile (2-propenenitrile)	ND	30.0	QC-	µg/L	1	3/6/2023 5:10:00 AM
Allyl chloride	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Carbon disulfide	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Chloroprene	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Cyclohexanone	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Ethyl Ether	ND	10.0		µg/L	1	3/6/2023 5:10:00 AM
Epichlorohydrin	ND	20.0		µg/L	1	3/6/2023 5:10:00 AM
ETBE	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Ethyl acrylate	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Ethyl methacrylate	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Hexachloroethane	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Diisopropyl ether (DIPE)	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Methacrylonitrile	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Methyl acrylate	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Methyl methacrylate	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Propionitrile	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
trans-1,4-Dichloro-2-butene	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Vinyl acetate	ND	5.00	QC-	µg/L	1	3/6/2023 5:10:00 AM
1,2,3-Trimethylbenzene	ND	5.00		µg/L	1	3/6/2023 5:10:00 AM
Surr: 4-Bromofluorobenzene	100	70	-	130	%Rec	1 3/6/2023 5:10:00 AM
Surr: Dibromofluoromethane	101	70	-	130	%Rec	1 3/6/2023 5:10:00 AM
Surr: Toluene-d8	99.2	70	-	130	%Rec	1 3/6/2023 5:10:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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		

Revision v1



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Analytical Report

(consolidated)

WO#: 23030255

Date Reported: 3/16/2023

CLIENT: OhioEPA-DDAGW

Collection Date:

Project: Ohio EPA PWS-EP

Lab ID: 23030255-006

Matrix: DRINKING WATER

Client Sample ID: Trip Blank-2

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOC TENTATIVELY IDENTIFIED COMPOUNDS (TICS)		SW8260			Analyst: MES	
TIC: 1-Chlorobutane	ND	J		µg/L	1	3/6/2023 5:10:00 AM
TIC: 1-Methylnaphthalene	ND	J		µg/L	1	3/6/2023 5:10:00 AM
TIC: 2-Butyloxyethyl acetate	ND	J		µg/L	1	3/6/2023 5:10:00 AM
TIC: 2-Ethylhexyl acrylate	ND	J		µg/L	1	3/6/2023 5:10:00 AM
TIC: Benzyl chloride	ND	J		µg/L	1	3/6/2023 5:10:00 AM
TIC: Bromoethane	ND	J		µg/L	1	3/6/2023 5:10:00 AM
TIC: Chloroacetonitrile	ND	J		µg/L	1	3/6/2023 5:10:00 AM
TIC: n-Butyl acrylate	ND	J		µg/L	1	3/6/2023 5:10:00 AM
TIC: Pentachloroethane	ND	J		µg/L	1	3/6/2023 5:10:00 AM

Qualifiers:	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	P	Second column confirmation exceeds
	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#: 23030255
 16-Mar-23

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

BatchID: 63380

Sample ID: MB-63380	SampType: MBLK	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159830						
Client ID: PBW	Batch ID: 63380	TestNo: E525	525	Analysis Date: 3/13/2023	SeqNo: 4247771						
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									QC+
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	ND	0.100									
Dimethyl phthalate	ND	0.200									
Di-n-butyl phthalate	ND	0.200									
Fluorene	ND	0.100									
Hexachlorobenzene	ND	0.100									QC+
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-nitrobenzene	4.04		5.000		80.8	70	130				
Surr: Benzo(a)pyrene-d12	4.98		5.000		99.6	70	130				
Surr: Triphenyl phosphate	5.80		5.000		116	70	130				

Qualifiers:	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
	ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

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

BatchID: 63380

Sample ID: LCS-63380	SampType: LCS	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159830						
Client ID: LCSW	Batch ID: 63380	TestNo: E525	525	Analysis Date: 3/14/2023	SeqNo: 4247790						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	4.37	0.200	5.000	0	87.4	70	130				
Acenaphthylene	4.03	0.100	5.000	0	80.6	70	130				
Anthracene	4.39	0.100	5.000	0	87.8	70	130				
Benzo(a)anthracene	4.62	0.100	5.000	0	92.4	70	130				
Benzo(a)pyrene	4.10	0.100	5.000	0	82.0	70	130				
Benzo(b)fluoranthene	4.03	0.100	5.000	0	80.6	70	130				
Benzo(g,h,i)perylene	4.08	0.100	5.000	0	81.6	70	130				
Benzo(k)fluoranthene	4.53	0.100	5.000	0	90.6	70	130				
Bis(2-ethylhexyl) phthalate	3.86	0.200	5.000	0	77.2	70	130				
Butyl benzyl phthalate	4.42	0.200	5.000	0	88.4	70	130				
Chrysene	4.72	0.100	5.000	0	94.4	70	130				
Dibenz(a,h)anthracene	3.96	0.100	5.000	0	79.2	70	130				
Diethyl phthalate	4.52	0.100	5.000	0	90.4	70	130				
Dimethyl phthalate	4.41	0.200	5.000	0	88.2	70	130				
Di-n-butyl phthalate	4.59	0.200	5.000	0	91.8	70	130				
Fluorene	4.24	0.100	5.000	0	84.8	70	130				
Hexachlorobenzene	4.41	0.100	5.000	0	88.2	70	130				
Hexachlorocyclopentadiene	3.23	0.100	5.000	0	64.6	70	130				S
Indeno(1,2,3-cd)pyrene	3.73	1.00	5.000	0	74.6	70	130				
Isophorone	3.39	0.200	5.000	0	67.8	70	130				Sm
Phenanthrene	4.41	0.100	5.000	0	88.2	70	130				
Pyrene	4.61	0.100	5.000	0	92.2	70	130				
Surr: 1,3-Dimethyl-2-nitrobenzene	3.51		5.000		70.2	70	130				
Surr: Benzo(a)pyrene-d12	4.27		5.000		85.4	70	130				
Surr: Triphenyl phosphate	5.68		5.000		114	70	130				

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

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

BatchID: 63380

Sample ID: LCSD-63380	SampType: LCSD	TestCode: SVOC_DW(52	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159830						
Client ID: LCSS02	Batch ID: 63380	TestNo: E525	525	Analysis Date: 3/14/2023	SeqNo: 4247792						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	4.00	0.200	5.000	0	80.0	70	130	4.370	8.84	30	
Acenaphthylene	3.65	0.100	5.000	0	73.0	70	130	4.030	9.90	30	
Anthracene	3.97	0.100	5.000	0	79.4	70	130	4.390	10.0	30	
Benzo(a)anthracene	4.06	0.100	5.000	0	81.2	70	130	4.620	12.9	30	
Benzo(a)pyrene	3.50	0.100	5.000	0	70.0	70	130	4.100	15.8	30	
Benzo(b)fluoranthene	3.45	0.100	5.000	0	69.0	70	130	4.030	15.5	30	S
Benzo(g,h,i)perylene	3.44	0.100	5.000	0	68.8	70	130	4.080	17.0	30	S
Benzo(k)fluoranthene	3.80	0.100	5.000	0	76.0	70	130	4.530	17.5	30	
Bis(2-ethylhexyl) phthalate	3.22	0.200	5.000	0	64.4	70	130	3.860	18.1	30	S
Butyl benzyl phthalate	4.03	0.200	5.000	0	80.6	70	130	4.420	9.23	30	
Chrysene	4.15	0.100	5.000	0	83.0	70	130	4.720	12.9	30	
Dibenz(a,h)anthracene	3.32	0.100	5.000	0	66.4	70	130	3.960	17.6	30	S
Diethyl phthalate	4.13	0.100	5.000	0	82.6	70	130	4.520	9.02	30	
Dimethyl phthalate	4.04	0.200	5.000	0	80.8	70	130	4.410	8.76	30	
Di-n-butyl phthalate	4.22	0.200	5.000	0	84.4	70	130	4.590	8.40	30	
Fluorene	3.93	0.100	5.000	0	78.6	70	130	4.240	7.59	30	
Hexachlorobenzene	3.97	0.100	5.000	0	79.4	70	130	4.410	10.5	30	
Hexachlorocyclopentadiene	3.06	0.100	5.000	0	61.2	70	130	3.230	5.41	30	S
Indeno(1,2,3-cd)pyrene	3.23	1.00	5.000	0	64.6	70	130	3.730	14.4	30	S
Isophorone	3.04	0.200	5.000	0	60.8	70	130	3.390	10.9	30	S
Phenanthrene	4.01	0.100	5.000	0	80.2	70	130	4.410	9.50	30	
Pyrene	4.21	0.100	5.000	0	84.2	70	130	4.610	9.07	30	
Surr: 1,3-Dimethyl-2-nitrobenzene	3.23		5.000		64.6	70	130		0	30	S
Surr: Benzo(a)pyrene-d12	3.66		5.000		73.2	70	130		0	30	
Surr: Triphenyl phosphate	5.19		5.000		104	70	130		0	30	

Qualifiers:
 H Holding times for preparation or analysis exceeded
 ND Not Detected
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits
 P Second column confirmation exceeds
 RL Reporting Detection Limit

M Manual Integration used to determine area respon
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

Revision v1



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QC SUMMARY REPORT

WO#: 23030255
16-Mar-23

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

BatchID: 63381

Sample ID: MB-63381	SampType: MBLK	TestCode: svoc-mstr_n	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159932						
Client ID: PBW	Batch ID: 63381	TestNo: SW8270	SW3510C	Analysis Date: 3/15/2023	SeqNo: 4250168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butoxyethanol	ND	30.0		0	0						

Qualifiers:

- H Holding times for preparation or analysis exceeded
- ND Not Detected
- R RPD outside accepted recovery limits
- W Sample container temperature is out of limit as specified at testcode

- J Analyte detected below quantitation limits
- P Second column confirmation exceeds
- RL Reporting Detection Limit

- M Manual Integration used to determine area respon
- PL Permit Limit
- S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: 63381

Sample ID: MB-63381	SampType: MBLK	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159604						
Client ID: PBW	Batch ID: 63381	TestNo: SW8270	SW3510C	Analysis Date: 3/10/2023	SeqNo: 4241969						
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						QC+
2-Methylnaphthalene	ND	5.00		0	0						
3,3'-Dichlorobenzidine	ND	20.0		0	0						
4-Nitrophenol	ND	5.00		0	0						QC-
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	0.0245		0.05000		49.0	20	130				
Surr: Phenol-d6	0.0154		0.05000		30.8	20	130				
Surr: Nitrobenzene-d5	0.0482		0.05000		96.3	27.4	130				
Surr: 2,4,6-Tribromophenol	0.0273		0.05000		54.5	54.3	133				
Surr: 2-Fluorobiphenyl	0.0401		0.05000		80.1	25.6	130				
Surr: p-Terphenyl-d14	0.0591		0.05000		118	20	181				

Sample ID: LCS-63381	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159604						
Client ID: LCSW	Batch ID: 63381	TestNo: SW8270	SW3510C	Analysis Date: 3/10/2023	SeqNo: 4241970						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	41.9	5.00	40.0	0	105	64.9	130				QC+
2-Methylnaphthalene	28.4	5.00	40.0	0	70.9	32.8	130				
3,3'-Dichlorobenzidine	56.1	20.0	80.0	0	70.2	10	281				

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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				

Revision v1



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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: 63381

Sample ID: LCS-63381	SampType: LCS	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159604						
Client ID: LCSW	Batch ID: 63381	TestNo: SW8270	SW3510C	Analysis Date: 3/10/2023	SeqNo: 4241970						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	17.2	5.00	40.0	0	43.1	25.1	130				QC-
Acenaphthene	38.1	5.00	40.0	0	95.2	43.7	130				
Bis(2-chloroethyl) ether	36.5	5.00	40.0	0	91.2	15.6	130				
Di-n-octyl phthalate	34.6	5.00	40.0	0	86.4	70	140				
Fluoranthene	41.7	5.00	40.0	0	104	64.9	130				
Naphthalene	26.8	5.00	40.0	0	67.1	27.2	130				
Phenol	17.6	20.0	40.0	0	44.0	10	130				J
3&4-Methylphenol	11.0	5.00	40.0	0	27.6	29.7	130				S
Surr: 2-Fluorophenol	0.0231		0.05000		46.2	20	130				
Surr: Phenol-d6	0.0159		0.05000		31.8	20	130				
Surr: Nitrobenzene-d5	0.0360		0.05000		72.0	27.4	130				
Surr: 2,4,6-Tribromophenol	0.0286		0.05000		57.2	54.3	133				
Surr: 2-Fluorobiphenyl	0.0347		0.05000		69.4	25.6	130				
Surr: p-Terphenyl-d14	0.0454		0.05000		90.7	20	181				

Sample ID: LCSD-63381	SampType: LCSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159604						
Client ID: LCSS02	Batch ID: 63381	TestNo: SW8270	SW3510C	Analysis Date: 3/10/2023	SeqNo: 4241971						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	47.7	5.00	40.0	0	119	64.9	130	41.9	12.9	30	QC+
2-Methylnaphthalene	31.8	5.00	40.0	0	79.5	32.8	130	28.4	11.5	30	
3,3'-Dichlorobenzidine	63.9	20.0	80.0	0	79.8	10	281	56.1	12.9	30	
4-Nitrophenol	18.3	5.00	40.0	0	45.8	25.1	130	17.2	6.13	30	QC-
Acenaphthene	43.4	5.00	40.0	0	109	43.7	130	38.1	13.1	30	
Bis(2-chloroethyl) ether	40.2	5.00	40.0	0	101	15.6	130	36.5	9.73	30	

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255
 16-Mar-23

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

BatchID: 63381

Sample ID: LCSD-63381	SampType: LCSD	TestCode: SVOC-MSTR	Units: µg/L	Prep Date: 3/8/2023	RunNo: 159604						
Client ID: LCSS02	Batch ID: 63381	TestNo: SW8270	SW3510C	Analysis Date: 3/10/2023	SeqNo: 4241971						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	36.2	5.00	40.0	0	90.5	70	140	34.6	4.63	30	
Fluoranthene	48.0	5.00	40.0	0	120	64.9	130	41.7	14.0	30	
Naphthalene	30.2	5.00	40.0	0	75.6	27.2	130	26.8	11.9	30	
Phenol	17.5	20.0	40.0	0	43.7	10	130	17.6	0.627	30	J
3&4-Methylphenol	11.1	5.00	40.0	0	27.7	29.7	130	11.0	0.362	30	S
Surr: 2-Fluorophenol	0.0241		0.05000		48.2	20	130		0		
Surr: Phenol-d6	0.0157		0.05000		31.5	20	130		0		
Surr: Nitrobenzene-d5	0.0422		0.05000		84.3	27.4	130		0		
Surr: 2,4,6-Tribromophenol	0.0320		0.05000		64.0	54.3	133		0		
Surr: 2-Fluorobiphenyl	0.0389		0.05000		77.8	25.6	130		0		
Surr: p-Terphenyl-d14	0.0491		0.05000		98.1	20	181		0		

Qualifiers:
 H Holding times for preparation or analysis exceeded
 ND Not Detected
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits
 P Second column confirmation exceeds
 RL Reporting Detection Limit

M Manual Integration used to determine area respon
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: 63453

Sample ID: MB-63453	SampType: MBLK	TestCode: SVOC_DW(50 Units: µg/L	Prep Date: 3/11/2023	RunNo: 159664							
Client ID: PBW	Batch ID: 63453	TestNo: E504.1 E504.1	Analysis Date: 3/12/2023	SeqNo: 4243610							
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-63453	SampType: LCS	TestCode: SVOC_DW(50 Units: µg/L	Prep Date: 3/11/2023	RunNo: 159664							
Client ID: LCSW	Batch ID: 63453	TestNo: E504.1 E504.1	Analysis Date: 3/12/2023	SeqNo: 4243611							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloropropane	0.567	0.0200	0.5000	0	113	70	130				
Ethylene dibromide	0.557	0.0100	0.5000	0	111	70	130				

Sample ID: LCSD-63453	SampType: LCSD	TestCode: SVOC_DW(50 Units: µg/L	Prep Date: 3/11/2023	RunNo: 159664							
Client ID: LCSS02	Batch ID: 63453	TestNo: E504.1 E504.1	Analysis Date: 3/12/2023	SeqNo: 4243612							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloropropane	0.564	0.0200	0.5000	0	113	70	130	0.5670	0.531	20	
Ethylene dibromide	0.586	0.0100	0.5000	0	117	70	130	0.5570	5.07	20	

Qualifiers:	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	M Manual Integration used to determine area respon
	ND Not Detected	P Second column confirmation exceeds	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		

Revision v1



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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: R159357

Sample ID: MBLK	SampType: MBLK	TestCode: ALCOHOLS_	Units: µg/L	Prep Date:	RunNo: 159357						
Client ID: PBW	Batch ID: R159357	TestNo: SW8015C		Analysis Date: 3/6/2023	SeqNo: 4236212						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butoxyethanol ND 1000 0 0
 Surr: Cyclohexanol 0

Sample ID: LCS 500 PPM	SampType: LCS	TestCode: ALCOHOLS_	Units: µg/L	Prep Date:	RunNo: 159357						
Client ID: LCSW	Batch ID: R159357	TestNo: SW8015C		Analysis Date: 3/6/2023	SeqNo: 4236213						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butoxyethanol 499000 1000 500000 0 99.9 10 171
 Surr: Cyclohexanol 0

Sample ID: LCSD 500 PPM	SampType: LCSD	TestCode: ALCOHOLS_	Units: µg/L	Prep Date:	RunNo: 159357						
Client ID: LCSS02	Batch ID: R159357	TestNo: SW8015C		Analysis Date: 3/6/2023	SeqNo: 4236215						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butoxyethanol 503000 1000 500000 0 101 10 171 499000 0.741 20
 Surr: Cyclohexanol 0 0

Qualifiers: H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits M Manual Integration used to determine area respon
 ND Not Detected P Second column confirmation exceeds 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#: 23030255

16-Mar-23

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

BatchID: R159359

Sample ID: LCS	SampType: LCS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159359						
Client ID: LCSW	Batch ID: R159359	TestNo: SW8260	Analysis Date: 3/6/2023	SeqNo: 4236293							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	17.8	5.00	20.00	0	88.8	80	143				
1,3-Butadiene	11.6	5.00	20.00	0	58.2	10	190				QC+
1,4-Dioxane	155	25.0	200.0	0	77.5	10	190				QC-
2,2-Dichloropropane	16.0	5.00	20.00	0	80.2	24	171				
2-Butanone	74.4	25.0	100.0	0	74.4	10	190				
2-Ethylhexyl acrylate	18.9	5.00	20.00	0	94.3	70	130				
2-Nitropropane	15.2	50.0	20.00	0	76.2	10	152				JQLR
Acrylonitrile (2-propenenitrile)	84.5	30.0	120.0	0	70.4	10	190				QC-
Allyl chloride	18.0	5.00	20.00	0	90.2	64	155				
Carbon disulfide	19.3	5.00	20.00	0	96.4	63	149				
Chloroprene	18.9	5.00	20.00	0	94.6	46	164				
Cyclohexanone	71.8	5.00	100.0	0	71.8	10	190				
Ethyl Ether	17.7	10.0	20.00	0	88.7	36	165				
Epichlorohydrin	18.2	20.0	20.00	0	91.0	10	181				J
ETBE	19.4	5.00	20.00	0	97.0	70	130				
Ethyl acrylate	15.5	5.00	20.00	0	77.7	70	130				
Ethyl methacrylate	18.1	5.00	20.00	0	90.3	59	136				
Hexachloroethane	19.9	5.00	20.00	0	99.3	10	214				
Diisopropyl ether (DIPE)	18.9	5.00	20.00	0	94.3	10	177				
Methacrylonitrile	17.2	5.00	20.00	0	85.9	10	153				
Methyl acrylate	20.1	5.00	20.00	0	101	10	176				
Methyl methacrylate	16.3	5.00	20.00	0	81.3	50	130				
n-Butyl acrylate	17.9	5.00	20.00	0	89.6	70	130				
Propionitrile	14.9	5.00	20.00	0	74.6	70	130				QLR
trans-1,4-Dichloro-2-butene	16.6	5.00	20.00	0	83.2	10	196				
Vinyl acetate	14.9	5.00	60.00	0	24.8	10	190				QC-

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

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

BatchID: R159359

Sample ID: LCS	SampType: LCS	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159359						
Client ID: LCSW	Batch ID: R159359	TestNo: SW8260		Analysis Date: 3/6/2023	SeqNo: 4236293						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trimethylbenzene	19.8	5.00	20.00	0	98.8	3.54	177				
Surr: 4-Bromofluorobenzene	46.6		50.00		93.2	70	130				
Surr: Dibromofluoromethane	52.1		50.00		104	70	130				
Surr: Toluene-d8	49.1		50.00		98.2	70	130				

Sample ID: LCSD	SampType: LCSD	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159359						
Client ID: LCSS02	Batch ID: R159359	TestNo: SW8260		Analysis Date: 3/6/2023	SeqNo: 4236294						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	17.8	5.00	20.00	0	88.9	80	143	17.76	0.118	20	
1,3-Butadiene	11.1	5.00	20.00	0	55.7	10	190	11.65	4.46	20	QC+
1,4-Dioxane	160	25.0	100.0	0	160	10	190	155.0	3.23	20	QC-
2,2-Dichloropropane	15.6	5.00	20.00	0	78.0	24	171	16.04	2.78	20	
2-Butanone	74.1	25.0	100.0	0	74.1	10	190	74.42	0.488	20	
2-Ethylhexyl acrylate	20.3	5.00	20.00	0	101	70	130	18.86	7.21	0	
2-Nitropropane	19.7	50.0	20.00	0	98.5	10	152	15.23	25.6	20	JRm
Acrylonitrile (2-propenenitrile)	85.0	30.0	250.0	0	34.0	10	190	84.47	0.588	20	QC-
Allyl chloride	17.8	5.00	20.00	0	88.9	64	155	18.04	1.48	20	
Carbon disulfide	19.1	5.00	20.00	0	95.7	63	149	19.27	0.656	20	
Chloroprene	19.3	5.00	20.00	0	96.7	46	164	18.92	2.16	20	
Cyclohexanone	81.9	5.00	100.0	0	81.9	10	190	71.79	13.1	20	
Ethyl Ether	17.4	10.0	20.00	0	87.2	36	165	17.75	1.76	20	
Epichlorohydrin	20.0	20.0	20.00	0	99.8	10	181	18.21	9.17	20	J
ETBE	19.9	5.00	20.00	0	99.3	70	130	19.41	2.30	0	
Ethyl acrylate	16.9	5.00	20.00	0	84.6	70	130	15.55	8.42	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

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

BatchID: R159359

Sample ID: LCSD	SampType: LCSD	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159359						
Client ID: LCSS02	Batch ID: R159359	TestNo: SW8260	Analysis Date: 3/6/2023	SeqNo: 4236294							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethyl methacrylate	18.5	5.00	20.00	0	92.4	59	136	18.06	2.29	20	
Hexachloroethane	21.4	5.00	20.00	0	107	10	214	19.87	7.27	20	
Diisopropyl ether (DIPE)	19.6	5.00	20.00	0	97.8	10	177	18.85	3.64	20	
Methacrylonitrile	17.5	5.00	20.00	0	87.4	10	153	17.17	1.73	20	
Methyl acrylate	19.9	5.00	20.00	0	99.3	10	176	20.14	1.38	20	
Methyl methacrylate	17.5	5.00	20.00	0	87.4	50	130	16.26	7.19	20	
n-Butyl acrylate	19.0	5.00	20.00	0	95.1	70	130	17.92	6.00	0	
Propionitrile	18.3	5.00	20.00	0	91.5	70	130	14.92	20.4	20	R
trans-1,4-Dichloro-2-butene	17.5	5.00	20.00	0	87.7	10	196	16.64	5.34	20	
Vinyl acetate	14.8	5.00	60.00	0	24.6	10	190	14.86	0.526	20	QC-
Surr: 4-Bromofluorobenzene	47.1		50.00		94.2	70	130		0	20	
Surr: Dibromofluoromethane	49.4		50.00		98.8	70	130		0	20	
Surr: Toluene-d8	48.6		50.00		97.2	70	130		0	20	

Sample ID: MB	SampType: MBLK	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159359						
Client ID: PBW	Batch ID: R159359	TestNo: SW8260	Analysis Date: 3/6/2023	SeqNo: 4236297							
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									QC+
1,4-Dioxane	ND	25.0									QC-
2,2-Dichloropropane	ND	5.00									
2-Butanone	ND	25.0									
2-Ethylhexyl acrylate	ND	5.00									
2-Nitropropane	ND	50.0									

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

Client: OhioEPA-DDAGW

Project: Ohio EPA PWS-EP

BatchID: R159359

Sample ID: MB	SampType: MBLK	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159359						
Client ID: PBW	Batch ID: R159359	TestNo: SW8260		Analysis Date: 3/6/2023	SeqNo: 4236297						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrylonitrile (2-propenenitrile)	ND	30.0									QC-
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									
Methacrylonitrile	ND	5.00									
Methyl acrylate	ND	5.00									
Methyl methacrylate	ND	5.00									
n-Butyl acrylate	ND	5.00									
trans-1,4-Dichloro-2-butene	ND	5.00									
Vinyl acetate	ND	5.00									QC-
1,2,3-Trimethylbenzene	ND	5.00									
Surr: 4-Bromofluorobenzene	46.9		50.00		93.7	70	130				
Surr: Dibromofluoromethane	51.3		50.00		103	70	130				
Surr: Toluene-d8	49.3		50.00		98.5	70	130				

Qualifiers:
 H Holding times for preparation or analysis exceeded
 ND Not Detected
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits
 P Second column confirmation exceeds
 RL Reporting Detection Limit

M Manual Integration used to determine area respon
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

Revision v1



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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: R159359

Sample ID: 23030306-001BDUP	SampType: DUP	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159359						
Client ID: BatchQC	Batch ID: R159359	TestNo: SW8260	Analysis Date: 3/6/2023	SeqNo: 4236324							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	ND	5.00						0	0	20	
1,3-Butadiene	ND	5.00						0	0	20	QC+
1,4-Dioxane	ND	25.0						0	0	20	QC-
2,2-Dichloropropane	ND	5.00						0	0	20	
2-Butanone	5.56	25.0						5.534	0.379	20	J
2-Ethylhexyl acrylate	ND	5.00						0	0	0	
2-Nitropropane	ND	50.0						0	0	20	
Acrylonitrile (2-propenenitrile)	ND	30.0						0	0	20	QC-
Allyl chloride	ND	5.00						0	0	20	
Carbon disulfide	ND	5.00						0	0	20	
Chloroprene	ND	5.00						0	0	20	
Cyclohexanone	ND	5.00						0	0	20	
Ethyl Ether	ND	10.0						0	0	20	
Epichlorohydrin	ND	20.0						0	0	20	
ETBE	ND	5.00						0	0	0	
Ethyl acrylate	ND	5.00						0	0	0	
Ethyl methacrylate	ND	5.00						0	0	20	
Hexachloroethane	ND	5.00						0	0	20	
Diisopropyl ether (DIPE)	ND	5.00						0	0	20	
Methacrylonitrile	ND	5.00						0	0	20	
Methyl acrylate	ND	5.00						0	0	20	
Methyl methacrylate	ND	5.00						0	0	20	
n-Butyl acrylate	ND	5.00						0	0	0	
trans-1,4-Dichloro-2-butene	ND	5.00						0	0	20	
Vinyl acetate	ND	5.00						0	0	20	QC-
1,2,3-Trimethylbenzene	ND	5.00						0	0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255
16-Mar-23

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

BatchID: R159359

Sample ID: 23030306-001BDUP	SampType: DUP	TestCode: VOC-MSTR_	Units: µg/L	Prep Date:	RunNo: 159359						
Client ID: BatchQC	Batch ID: R159359	TestNo: SW8260		Analysis Date: 3/6/2023	SeqNo: 4236324						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	49.2		50.00		98.3	70	130		0	20	
Surr: Dibromofluoromethane	50.7		50.00		101	70	130		0	20	
Surr: Toluene-d8	51.3		50.00		103	70	130		0	20	

Qualifiers:

- H Holding times for preparation or analysis exceeded
- ND Not Detected
- R RPD outside accepted recovery limits
- W Sample container temperature is out of limit as specified at testcode

- J Analyte detected below quantitation limits
- P Second column confirmation exceeds
- RL Reporting Detection Limit

- M Manual Integration used to determine area respon
- PL Permit Limit
- S Spike Recovery outside accepted recovery limits

Revision v1



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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: R159424

Sample ID: MBLK	SampType: MBLK	TestCode: GLYCOL_NP	Units: µg/L	Prep Date:	RunNo: 159424						
Client ID: PBW	Batch ID: R159424	TestNo: SW8015C		Analysis Date: 3/7/2023	SeqNo: 4237808						
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: 159424						
Client ID: LCSW	Batch ID: R159424	TestNo: SW8015C		Analysis Date: 3/7/2023	SeqNo: 4237810						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylene glycol	522000	10000	500000	0	104	70	130				m
Ethylene glycol	535000	10000	500000	0	107	70	130				m
Propylene glycol	510000	10000	500000	0	102	51.7	139				m
Triethylene glycol	518000	10000	500000	0	104	70	130				m

Sample ID: LCSD 500 PPM	SampType: LCSD	TestCode: GLYCOL_NP	Units: µg/L	Prep Date:	RunNo: 159424						
Client ID: LCSS02	Batch ID: R159424	TestNo: SW8015C		Analysis Date: 3/7/2023	SeqNo: 4237811						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylene glycol	539000	10000	500000	0	108	70	130	522000	3.17	20	m
Ethylene glycol	543000	10000	500000	0	109	70	130	535000	1.49	20	m
Propylene glycol	528000	10000	500000	0	106	51.7	139	510000	3.60	20	m
Triethylene glycol	538000	10000	500000	0	108	70	130	518000	3.69	20	m

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

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

BatchID: R159459

Sample ID: LCS	SampType: LCS	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 159459						
Client ID: LCSW	Batch ID: R159459	TestNo: E524.2		Analysis Date: 3/7/2023	SeqNo: 4239048						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	4.90	0.500	5.000	0	98.1	70	130				
1,1,1-Trichloroethane	4.80	0.500	5.000	0	95.9	70	130				
1,1,2,2-Tetrachloroethane	4.60	0.500	5.000	0	92.0	70	130				
1,1,2-Trichloroethane	4.76	0.500	5.000	0	95.2	70	130				
1,1-Dichloroethane	4.81	0.500	5.000	0	96.2	70	130				
1,1-Dichloroethene	4.82	0.500	5.000	0	96.4	70	130				
1,1-Dichloropropene	4.87	0.500	5.000	0	97.5	70	130				
1,2,3-Trichlorobenzene	4.69	0.500	5.000	0	93.9	70	130				
1,2,3-Trichloropropane	5.29	0.500	5.000	0	106	70	130				
1,2,4-Trichlorobenzene	4.94	0.500	5.000	0	98.8	70	130				
1,2,4-Trimethylbenzene	4.47	0.500	5.000	0	89.4	70	130				
1,2-Dichlorobenzene	4.80	0.500	5.000	0	95.9	70	130				
1,2-Dichloroethane	4.93	0.500	5.000	0	98.6	70	130				
1,2-Dichloropropane	4.75	0.500	5.000	0	94.9	70	130				
1,3,5-Trimethylbenzene	4.51	0.500	5.000	0	90.2	70	130				
1,3-Dichlorobenzene	4.89	0.500	5.000	0	97.9	70	130				
1,3-Dichloropropane	4.95	0.500	5.000	0	99.0	70	130				
1,4-Dichlorobenzene	5.13	0.500	5.000	0	103	70	130				
2-Chlorotoluene	4.82	0.500	5.000	0	96.4	70	130				
4-Chlorotoluene	4.90	0.500	5.000	0	98.0	70	130				
Benzene	4.89	0.500	5.000	0	97.8	70	130				
Bromobenzene	5.18	0.500	5.000	0	104	70	130				
Bromodichloromethane	4.76	0.500	5.000	0	95.2	70	130				
Bromoform	4.40	0.500	5.000	0	88.0	70	130				
Bromomethane	4.44	1.00	5.000	0	88.9	70	130				
Carbon tetrachloride	4.90	0.500	5.000	0	98.1	70	130				

Qualifiers:
 H Holding times for preparation or analysis exceeded
 ND Not Detected
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits
 P Second column confirmation exceeds
 RL Reporting Detection Limit

M Manual Integration used to determine area respon
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

Revision v1



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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: R159459

Sample ID: LCS	SampType: LCS	TestCode: VOC_DW(524	Units: µg/L	Prep Date:	RunNo: 159459						
Client ID: LCSW	Batch ID: R159459	TestNo: E524.2	Analysis Date: 3/7/2023	SeqNo: 4239048							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	4.84	0.500	5.000	0	96.8	70	130				
Chlorobromomethane	4.67	0.500	5.000	0	93.4	70	130				
Chlorodibromomethane	4.44	0.500	5.000	0	88.8	70	130				
Chloroethane	4.23	0.500	5.000	0	84.6	70	130				
Chloroform	4.67	0.500	5.000	0	93.4	70	130				
Chloromethane	4.35	0.500	5.000	0	87.0	70	130				
cis-1,2-Dichloroethene	4.77	0.500	5.000	0	95.4	70	130				
cis-1,3-Dichloropropene	4.53	0.500	5.000	0	90.7	70	130				
Dibromomethane	4.84	0.500	5.000	0	96.9	70	130				
Dichlorodifluoromethane	4.25	0.500	5.000	0	85.0	70	130				
Ethylbenzene	4.68	0.500	5.000	0	93.6	70	130				
Hexachloro-1,3-butadiene	4.89	0.500	5.000	0	97.7	70	130				
Isopropylbenzene	4.68	0.500	5.000	0	93.6	70	130				
m,p-Xylene	9.74	0.500	10.00	0	97.4	70	130				
Methylene chloride	4.98	0.500	5.000	0	99.6	70	130				
MTBE	4.68	0.500	5.000	0	93.5	70	130				
n-Butylbenzene	4.51	0.500	5.000	0	90.1	70	130				
n-Propylbenzene	4.71	0.500	5.000	0	94.3	70	130				
o-Xylene	5.09	0.500	5.000	0	102	70	130				
p-Isopropyltoluene	4.56	0.500	5.000	0	91.2	70	130				
sec-Butylbenzene	4.59	0.500	5.000	0	91.7	70	130				
Styrene	4.64	0.500	5.000	0	92.8	70	130				
tert-Butylbenzene	4.58	0.500	5.000	0	91.6	70	130				
Tetrachloroethene	4.69	0.500	5.000	0	93.7	70	130				
Toluene	4.76	0.500	5.000	0	95.2	70	130				
trans-1,2-Dichloroethene	4.65	0.500	5.000	0	93.0	70	130				

Qualifiers:
 H Holding times for preparation or analysis exceeded
 ND Not Detected
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits
 P Second column confirmation exceeds
 RL Reporting Detection Limit

M Manual Integration used to determine area respon
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: R159459

Sample ID: LCS	SampType: LCS	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 159459							
Client ID: LCSW	Batch ID: R159459	TestNo: E524.2	Analysis Date: 3/7/2023	SeqNo: 4239048							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	4.41	0.500	5.000	0	88.1	70	130				
Trichloroethene	4.74	0.500	5.000	0	94.7	70	130				
Trichlorofluoromethane	4.38	0.500	5.000	0	87.7	70	130				
Vinyl chloride	4.59	0.500	5.000	0	91.8	70	130				
Xylenes, Total	14.8	0.500	15.00	0	98.9	70	130				
Surr: 1,2-Dichlorobenzene-d4	10.2		10.00		102	70	130				
Surr: 4-Bromofluorobenzene	10.5		10.00		105	70	130				

Sample ID: MB	SampType: MBLK	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 159459							
Client ID: PBW	Batch ID: R159459	TestNo: E524.2	Analysis Date: 3/7/2023	SeqNo: 4239049							
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	0.324	0.500									J
1,2-Dichlorobenzene	ND	0.500									
1,2-Dichloroethane	ND	0.500									

Qualifiers:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

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

BatchID: R159459

Sample ID: MB	SampType: MBLK	TestCode: VOC_DW(524) Units: µg/L	Prep Date:	RunNo: 159459							
Client ID: PBW	Batch ID: R159459	TestNo: E524.2	Analysis Date: 3/7/2023	SeqNo: 4239049							
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	0.298	0.500									J
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:

H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

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

BatchID: R159459

Sample ID: MB	SampType: MBLK	TestCode: VOC_DW(524	Units: µg/L	Prep Date:	RunNo: 159459						
Client ID: PBW	Batch ID: R159459	TestNo: E524.2		Analysis Date: 3/7/2023	SeqNo: 4239049						
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	0.296	0.500									J
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	8.75		10.00		87.5	70	130				
Surr: 4-Bromofluorobenzene	8.47		10.00		84.7	70	130				

Qualifiers:	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area respon
	ND	Not Detected	P	Second column confirmation exceeds	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#: 23030255

16-Mar-23

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

BatchID: R159459

Sample ID: 23030306-002DDUP	SampType: DUP	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 159459						
Client ID: BatchQC	Batch ID: R159459	TestNo: E524.2	Analysis Date: 3/7/2023	SeqNo: 4239051							
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						0.3050	200	20	RMB+
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	MB+
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:
 H Holding times for preparation or analysis exceeded
 ND Not Detected
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits
 P Second column confirmation exceeds
 RL Reporting Detection Limit

M Manual Integration used to determine area respon
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

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

BatchID: R159459

Sample ID: 23030306-002DDUP	SampType: DUP	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 159459						
Client ID: BatchQC	Batch ID: R159459	TestNo: E524.2	Analysis Date: 3/7/2023	SeqNo: 4239051							
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						0.2850	200	20	RMB+
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: H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits M Manual Integration used to determine area respon
 ND Not Detected P Second column confirmation exceeds 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

Revision v1



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QC SUMMARY REPORT

WO#: 23030255

16-Mar-23

Client: OhioEPA-DDAGW

Project: Ohio EPA PWS-EP

BatchID: R159459

Sample ID: 23030306-002DDUP	SampType: DUP	TestCode: VOC_DW(524)	Units: µg/L	Prep Date:	RunNo: 159459						
Client ID: BatchQC	Batch ID: R159459	TestNo: E524.2	Analysis Date: 3/7/2023	SeqNo: 4239051							
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	8.32		10.00		83.2	70	130		0	20	

Qualifiers:

H Holding times for preparation or analysis exceeded
 ND Not Detected
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits
 P Second column confirmation exceeds
 RL Reporting Detection Limit

M Manual Integration used to determine area respon
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

Revision v1

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

Qualifiers

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

Acronyms

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

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



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DATES REPORT

WO#: **23030255**
16-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
23030255-001A	MW-1 EP Village Sent. Well	3/2/2023 2:05:00 PM	Drinking Water	VOC-GC/MS (524.2)			3/8/2023 3:50:00 AM
23030255-001B				EDB, DBCP, 123TCP by GC (EPA 504)		3/11/2023 10:50:00 AM	3/12/2023 6:14:00 AM
23030255-001C				VOC by GC/MS (8260D)			3/6/2023 3:14:00 AM
				VOC Tentatively Identified Compound (TICs)			3/6/2023 3:14:00 AM
23030255-001D				SVOC by 8270E		3/8/2023 9:30:00 AM	3/10/2023 6:39:00 AM
				SVOC by 8270E		3/8/2023 9:30:00 AM	3/15/2023 7:28:00 PM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/8/2023 10:00:00 AM	3/14/2023 7:39:00 AM
23030255-001E				Alcohols (EPA 8015) C			3/6/2023 4:40:00 PM
				Alcohols (EPA 8015) C			3/6/2023 4:40:00 PM
	Glycols (8015)			3/7/2023 2:58:00 PM			
	Glycols (8015)			3/7/2023 2:58:00 PM			
23030255-002A	MW-2 EP Village Sent. Well	3/2/2023 4:00:00 PM		VOC-GC/MS (524.2)			3/8/2023 4:19:00 AM
23030255-002B				EDB, DBCP, 123TCP by GC (EPA 504)		3/11/2023 10:50:00 AM	3/12/2023 6:35:00 AM
23030255-002C				VOC by GC/MS (8260D)			3/6/2023 3:37:00 AM
				VOC Tentatively Identified Compound (TICs)			3/6/2023 3:37:00 AM
23030255-002D				SVOC by 8270E		3/8/2023 9:30:00 AM	3/15/2023 7:48:00 PM
				SVOC by 8270E		3/8/2023 9:30:00 AM	3/10/2023 7:10:00 AM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/8/2023 10:00:00 AM	3/14/2023 8:26:00 AM
23030255-002E				Alcohols (EPA 8015) C			3/6/2023 4:58:00 PM
	Alcohols (EPA 8015) C			3/6/2023 4:58:00 PM			
	Glycols (8015)			3/7/2023 3:35:00 PM			

Revision v1



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

DATES REPORT

WO#: **23030255**
16-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
23030255-002E	MW-2 EP Village Sent. Well	3/2/2023 4:00:00 PM	Drinking Water	Glycols (8015)			3/7/2023 3:35:00 PM
23030255-003A	MW-1 Dupe MW-1 Duplicate	3/2/2023 2:05:00 PM		VOC-GC/MS (524.2)			3/8/2023 4:47:00 AM
23030255-003B				EDB, DBCP, 123TCP by GC (EPA 504)		3/11/2023 10:50:00 AM	3/12/2023 7:37:00 AM
23030255-003C				VOC by GC/MS (8260D)			3/6/2023 4:00:00 AM
				VOC Tentatively Identified Compound (TICs)			3/6/2023 4:00:00 AM
23030255-003D				SVOC by 8270E		3/8/2023 9:30:00 AM	3/10/2023 1:09:00 PM
				SVOC by 8270E		3/8/2023 9:30:00 AM	3/15/2023 8:07:00 PM
				SVOC by 8270E		3/8/2023 9:30:00 AM	3/10/2023 7:42:00 AM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/8/2023 10:00:00 AM	3/14/2023 9:12:00 AM
23030255-003E				Alcohols (EPA 8015) C			3/6/2023 5:17:00 PM
				Alcohols (EPA 8015) C			3/6/2023 5:17:00 PM
				Glycols (8015)			3/7/2023 4:12:00 PM
				Glycols (8015)			3/7/2023 4:12:00 PM
23030255-004A	MW-1 FB Field Blank	3/2/2023 3:10:00 PM		VOC-GC/MS (524.2)			3/8/2023 3:21:00 AM
23030255-004B				EDB, DBCP, 123TCP by GC (EPA 504)		3/11/2023 10:50:00 AM	3/12/2023 7:57:00 AM
23030255-004C				VOC by GC/MS (8260D)			3/6/2023 4:24:00 AM
				VOC Tentatively Identified Compound (TICs)			3/6/2023 4:24:00 AM
23030255-004D				SVOC by 8270E		3/8/2023 9:30:00 AM	3/10/2023 1:41:00 PM
				SVOC by 8270E		3/8/2023 9:30:00 AM	3/10/2023 8:13:00 AM
				SVOC by 8270E		3/8/2023 9:30:00 AM	3/15/2023 8:26:00 PM
				Synthetic Organic Compounds by GC/MS (EPA 525.3)		3/8/2023 10:00:00 AM	3/14/2023 9:59:00 AM

Revision v1



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DATES REPORT

WO#: 23030255
 16-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
23030255-004E	MW-1 FB Field Blank	3/2/2023 3:10:00 PM	Drinking Water	Alcohols (EPA 8015) C			3/6/2023 5:35:00 PM
				Alcohols (EPA 8015) C			3/6/2023 5:35:00 PM
				Glycols (8015)			3/7/2023 4:49:00 PM
				Glycols (8015)			3/7/2023 4:49:00 PM
23030255-005A	Trip Blank-1			VOC by GC/MS (8260D)			3/6/2023 4:47:00 AM
				VOC Tentatively Identified Compound (TICs)			3/6/2023 4:47:00 AM
23030255-005B				VOC-GC/MS (524.2)			3/7/2023 11:03:00 PM
23030255-005C				EDB, DBCP, 123TCP by GC (EPA 50-		3/11/2023 10:50:00 AM	3/12/2023 8:18:00 AM
23030255-006A	Trip Blank-2			VOC by GC/MS (8260D)			3/6/2023 5:10:00 AM
				VOC Tentatively Identified Compound (TICs)			3/6/2023 5:10:00 AM
23030255-006B				VOC-GC/MS (524.2)			3/7/2023 11:32:00 PM
23030255-006C				EDB, DBCP, 123TCP by GC (EPA 50-		3/11/2023 10:50:00 AM	3/12/2023 8:39:00 AM

Revision v1

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.: **23030255**
For Submitting Comments: **23030255**

Client Name: OHIO EPA - DDAGW
Client Street Address: 210 E. Aurora Road
City: Mansfield, State OH Zip 44870
Client Phone: 330-963-1150
Report To: JAMES FISHER
Quote Number:
Facility ID:
Client Email Address: james.fisher@epa.ohio.gov
Print: Nick Sams
Signature: [Signature]
Sampled By (Print Name and Provide Signature): Nick Sams
For DW only, results to be reported to state by lab? If yes, Y N
Lab fee may apply: Y N

Project Identification: OHIO EPA PWS - EP
Project Street Address: 481 Bacon Ave
City: Mansfield, State OH Zip
Report To: JAMES FISHER
Quote Number:
Facility ID:
Client Email Address: james.fisher@epa.ohio.gov
Print: Nick Sams
Signature: [Signature]
Sampled By (Print Name and Provide Signature): Nick Sams
For DW only, results to be reported to state by lab? If yes, Y N
Lab fee may apply: Y N

#	Sample Point ID	Sample Identification		Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EPA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Analytical Parameters and Methods Requested		For DW Only: Special Compliance or Routine (S/R)
		Date	Time								524.2	826.00	
1	MW-1	EP Village Sent. Well	5/12/23	14:05	X			DW	8	14	X	X	8015 - Glycols
2	MW-2	"	5/12/23	16:00	X			DW	8	14	X	X	8270
3	MW-3	"	"	"									525
4	MW-4	"	"	"									826.00
5	MW-1	Duplicate	5/12/23	14:05	X			DW	8	14	X	X	504.1
6	MW-1FB	Field Blank	5/12/23	15:10	X			DW	8	14	X	X	524.2

Notes / Comments: 524, 8260-HCL, 504.1-NA2SO3, 525-Ascorbic Acid of Massum Create
*INVOICE: VICKIE STEVENS - PEARSE@EPA.OHIO.GOV

Sufficient volume provided to run QC: YES NO
Cooler: YES NO

Received Temp.: °C
Ice Present? YES NO
MELTED

Rush Requested: 7 Day(s)
Must be approved by Lab Manager

Carrier: CLIENT

3.046.3 = 334.0 + 0.3 4.3
11.1.20 11.7.20 11.6.20



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Sample Log-In Check List

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

Work Order Number: **23030255**

RcptNo: **1**

Logged by:	Anthony W. Britton	3/3/2023 10:15:00 AM	
Completed By:	Anthony W. Britton	3/3/2023 4:28:37 PM	
Reviewed By:	Holly Florea	3/4/2023 9:31:01 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	3.3	Good	Not Present			
2	4.4	Good	Not Present			