



7940 Memorial Drive Plain City, Ohio 43064 (614) 873-4654

Date: August 24, 2020

Whitehouse, Village Of (606)

Attn: Steve Pilcher

Po Box 2476

Whitehouse, OH 43571

Project Manager: Jane McIntire

RE: Certificate of Analysis for Project - Public Drinking Water

The following report contains analytical results for samples submitted on the chain of custody dated August 11, 2020.

I have reviewed the validity of the analytical data generated. All data is reported in accordance to our laboratory QA/QC plan. Any exceptions are noted in the Case Narrative or with qualifiers in the report.

If you have any questions or need additional documentation, please contact your Project Manager.

Sincerely,

A handwritten signature in black ink that reads "Cheryl Rex". The signature is written in a cursive style and is positioned above a solid black horizontal line.

Cheryl Rex
MASI Laboratories
QA/QC Officer
cheryl@masilabs.com
(614) 873-4654



CERTIFICATE of ANALYSIS

*Microbiological/Inorganic Certification - 877
Organic Certification - 4100*

Whitehouse, Village Of
Steve Pilcher
Po Box 2476
Whitehouse, OH 43571

Client #: 606
PO Number:
Date Received: 8/11/20 11:31
Ohio EPA Analyzed Date: 8/24/20 14:41

Project Manager: Jane McIntire

PWSID: OH4801612 Facility ID: DS1

Repeat Sample #:

Total Chlorine (mg/L):

Free Chlorine (mg/L):

Combined Chlorine (mg/L):

Sampler Name: Austin Myers
Sample Date/Time: 8/10/20 10:45
Sample Monitoring Point: DS000
Sample Type: RT
Sample Tap/Address: Hydrant 6317 Finzel Rd Whitehouse OH 43571

Sample ID: 817635

Lab Sample # : OH01360-01 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Disinfection Byproducts (DBP)									
Chloroform	7.0	ug/L		0.5	0.02	8/13/20 16:19	8/13/20 16:19	DTS	EPA Method 524.2
Bromoform	1.0	ug/L		0.5	0.1	8/13/20 16:19	8/13/20 16:19	DTS	EPA Method 524.2
Bromodichloromethane	3.5	ug/L		0.5	0.04	8/13/20 16:19	8/13/20 16:19	DTS	EPA Method 524.2
Dibromochloromethane	3.1	ug/L		0.5	0.07	8/13/20 16:19	8/13/20 16:19	DTS	EPA Method 524.2
Total THM	14.6	ug/L		2.0		8/13/20 16:19	8/13/20 16:19	DTS	EPA Method 524.2
<hr style="border-top: 1px dashed black;"/>									
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>90%</i>		<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>94%</i>		<i>70-130</i>			



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 PO Number:
 Date Received: 8/11/20 11:31
 Ohio EPA Analyzed Date: 8/24/20 14:41

Project Manager: Jane McIntire

PWSID: OH4801612 Facility ID: DS1

Repeat Sample #:

Total Chlorine (mg/L):

Free Chlorine (mg/L):

Combined Chlorine (mg/L):

Sampler Name: Austin Myers
 Sample Date/Time: 8/10/20 08:50
 Sample Monitoring Point: DS201
 Sample Type: RT
 Sample Tap/Address: Hydrant 7125 Berkey Southern Rd Whitehouse OH 43571

Sample ID: 817633

Lab Sample # : OH01360-02 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Disinfection Byproducts (DBP)									
Monochloroacetic Acid	ND	ug/L		2.0	0.8	8/14/20 11:04	8/20/20 11:36	ERW	EPA Method 552.3
Dichloroacetic Acid	7.1	ug/L		1.0	0.4	8/14/20 11:04	8/20/20 11:36	ERW	EPA Method 552.3
Trichloroacetic Acid	ND	ug/L		1.0	0.3	8/14/20 11:04	8/20/20 11:36	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	8/14/20 11:04	8/20/20 11:36	ERW	EPA Method 552.3
Dibromoacetic Acid	4.8	ug/L		1.0	0.5	8/14/20 11:04	8/20/20 11:36	ERW	EPA Method 552.3
HAA 5 Total	11.9	ug/L		6.0		8/14/20 11:04	8/20/20 11:36	ERW	EPA Method 552.3
<hr/>									
<i>Surrogate: 2-Bromopropanoic Acid</i>			<i>107%</i>			<i>70-130</i>			
Chloroform	36.8	ug/L		0.5	0.02	8/13/20 16:42	8/13/20 16:42	DTS	EPA Method 524.2
Bromoform	2.0	ug/L		0.5	0.1	8/13/20 16:42	8/13/20 16:42	DTS	EPA Method 524.2
Bromodichloromethane	12.4	ug/L		0.5	0.04	8/13/20 16:42	8/13/20 16:42	DTS	EPA Method 524.2
Dibromochloromethane	7.7	ug/L		0.5	0.07	8/13/20 16:42	8/13/20 16:42	DTS	EPA Method 524.2
Total THM	58.8	ug/L		2.0		8/13/20 16:42	8/13/20 16:42	DTS	EPA Method 524.2
<hr/>									
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>87%</i>			<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>91%</i>			<i>70-130</i>			



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Client #: 606
 PO Number:
 Date Received: 8/11/20 11:31
 Ohio EPA Analyzed Date: 8/24/20 14:41

Project Manager: Jane McIntire

PWSID: OH4801612 Facility ID: DS1

Repeat Sample #:

Total Chlorine (mg/L):

Free Chlorine (mg/L):

Combined Chlorine (mg/L):

Sampler Name: Austin Myers
 Sample Date/Time: 8/10/20 11:00
 Sample Monitoring Point: DS000
 Sample Type: RT
 Sample Tap/Address: Hose bib 8770 Dutch Rd Whitehouse OH 43571

Sample ID: 817634

Lab Sample # : OH01360-03 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
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Disinfection Byproducts (DBP)

Chloroform	30.2	ug/L		0.5	0.02	8/13/20 17:06	8/13/20 17:06	DTS	EPA Method 524.2
Bromoform	1.9	ug/L		0.5	0.1	8/13/20 17:06	8/13/20 17:06	DTS	EPA Method 524.2
Bromodichloromethane	12.0	ug/L		0.5	0.04	8/13/20 17:06	8/13/20 17:06	DTS	EPA Method 524.2
Dibromochloromethane	7.3	ug/L		0.5	0.07	8/13/20 17:06	8/13/20 17:06	DTS	EPA Method 524.2
Total THM	51.3	ug/L		2.0		8/13/20 17:06	8/13/20 17:06	DTS	EPA Method 524.2
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>87%</i>		<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>93%</i>		<i>70-130</i>			



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Client #: 606
 PO Number:
 Date Received: 8/11/20 11:31
 Ohio EPA Analyzed Date: 8/24/20 14:41

Project Manager: Jane McIntire

PWSID: OH4801612 Facility ID: DS1

Repeat Sample #:

Total Chlorine (mg/L):

Free Chlorine (mg/L):

Combined Chlorine (mg/L):

Sampler Name: Austin Myers
 Sample Date/Time: 8/10/20 09:15
 Sample Monitoring Point: DS202
 Sample Type: RT
 Sample Tap/Address: Hydrant 7344 Providence St Whitehouse OH 43571

Sample ID: 817632

Lab Sample # : OH01360-04 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Disinfection Byproducts (DBP)									
Monochloroacetic Acid	ND	ug/L		2.0	0.8	8/14/20 11:04	8/20/20 12:07	ERW	EPA Method 552.3
Dichloroacetic Acid	8.2	ug/L		1.0	0.4	8/14/20 11:04	8/20/20 12:07	ERW	EPA Method 552.3
Trichloroacetic Acid	1.0	ug/L		1.0	0.3	8/14/20 11:04	8/20/20 12:07	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	8/14/20 11:04	8/20/20 12:07	ERW	EPA Method 552.3
Dibromoacetic Acid	5.6	ug/L		1.0	0.5	8/14/20 11:04	8/20/20 12:07	ERW	EPA Method 552.3
HAA 5 Total	14.8	ug/L		6.0		8/14/20 11:04	8/20/20 12:07	ERW	EPA Method 552.3
<i>Surrogate: 2-Bromopropanoic Acid</i>			<i>97%</i>	<i>70-130</i>					
Chloroform	23.8	ug/L		0.5	0.02	8/13/20 17:30	8/13/20 17:30	DTS	EPA Method 524.2
Bromoform	1.5	ug/L		0.5	0.1	8/13/20 17:30	8/13/20 17:30	DTS	EPA Method 524.2
Bromodichloromethane	7.9	ug/L		0.5	0.04	8/13/20 17:30	8/13/20 17:30	DTS	EPA Method 524.2
Dibromochloromethane	5.4	ug/L		0.5	0.07	8/13/20 17:30	8/13/20 17:30	DTS	EPA Method 524.2
Total THM	38.7	ug/L		2.0		8/13/20 17:30	8/13/20 17:30	DTS	EPA Method 524.2
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>88%</i>	<i>70-130</i>					
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>90%</i>	<i>70-130</i>					

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.



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Client #: 606
PO Number:
Date Received: 8/11/20 11:31
Ohio EPA Analyzed Date: 8/24/20 14:41

Project Manager: Jane McIntire

PWSID: OH4801612 Facility ID: 4855849

Repeat Sample #:

Total Chlorine (mg/L):

Free Chlorine (mg/L):

Combined Chlorine (mg/L):

Sampler Name: Austin Myers
Sample Date/Time: 8/10/20 10:20
Sample Monitoring Point: EP001
Sample Type: RT
Sample Tap/Address: Sink 6010 N Texas St Whitehouse OH 43571

Sample ID: 817636

Lab Sample # : OH01360-05 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Disinfection Byproducts (DBP)									
Monochloroacetic Acid	ND	ug/L		2.0	0.8	8/14/20 11:04	8/20/20 12:38	ERW	EPA Method 552.3
Dichloroacetic Acid	5.8	ug/L		1.0	0.4	8/14/20 11:04	8/20/20 12:38	ERW	EPA Method 552.3
Trichloroacetic Acid	ND	ug/L		1.0	0.3	8/14/20 11:04	8/20/20 12:38	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	8/14/20 11:04	8/20/20 12:38	ERW	EPA Method 552.3
Dibromoacetic Acid	4.4	ug/L		1.0	0.5	8/14/20 11:04	8/20/20 12:38	ERW	EPA Method 552.3
HAA 5 Total	10.2	ug/L		6.0		8/14/20 11:04	8/20/20 12:38	ERW	EPA Method 552.3
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<i>Surrogate: 2-Bromopropanoic Acid</i>			<i>97%</i>		<i>70-130</i>				
Chloroform	32.1	ug/L		0.5	0.02	8/13/20 17:54	8/13/20 17:54	DTS	EPA Method 524.2
Bromoform	1.9	ug/L		0.5	0.1	8/13/20 17:54	8/13/20 17:54	DTS	EPA Method 524.2
Bromodichloromethane	12.5	ug/L		0.5	0.04	8/13/20 17:54	8/13/20 17:54	DTS	EPA Method 524.2
Dibromochloromethane	7.6	ug/L		0.5	0.07	8/13/20 17:54	8/13/20 17:54	DTS	EPA Method 524.2
Total THM	54.1	ug/L		2.0		8/13/20 17:54	8/13/20 17:54	DTS	EPA Method 524.2
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<i>Surrogate: 4-Bromofluorobenzene</i>			<i>88%</i>		<i>70-130</i>				
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>91%</i>		<i>70-130</i>				



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 PO Number:
 Date Received: 8/11/20 11:31
 Ohio EPA Analyzed Date: 8/24/20 14:41

Project Manager: Jane McIntire

PWSID: OH4801612 Facility ID: DS1

Repeat Sample #:

Total Chlorine (mg/L):

Free Chlorine (mg/L):

Combined Chlorine (mg/L):

Sampler Name: Austin Myers
 Sample Date/Time: 8/10/20 11:20
 Sample Monitoring Point: DS000
 Sample Type: RT
 Sample Tap/Address: Hose bib 6763 Gilead St Whitehouse OH 43571

Sample ID: 769781

Lab Sample # : OH01360-06 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
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Disinfection Byproducts (DBP)

Chloroform	10.8	ug/L		0.5	0.02	8/13/20 18:17	8/13/20 18:17	DTS	EPA Method 524.2
Bromoform	1.2	ug/L		0.5	0.1	8/13/20 18:17	8/13/20 18:17	DTS	EPA Method 524.2
Bromodichloromethane	4.7	ug/L		0.5	0.04	8/13/20 18:17	8/13/20 18:17	DTS	EPA Method 524.2
Dibromochloromethane	3.8	ug/L		0.5	0.07	8/13/20 18:17	8/13/20 18:17	DTS	EPA Method 524.2
Total THM	20.5	ug/L		2.0		8/13/20 18:17	8/13/20 18:17	DTS	EPA Method 524.2

Surrogate: 4-Bromofluorobenzene 89% 70-130

Surrogate: 1,2-Dichlorobenzene-d4 92% 70-130



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Ohio EPA Analyzed Date: 8/24/20 14:41

Notes and Definitions

Item	Definition
ND	Analyte NOT DETECTED at or above the reporting limit.
mg/kg Dry	Sample results reported on a dry weight basis.
ug/L	ppb/Part per Billion.
mg/L	ppm/Part per Million.
!	Analyte is at or above the Maximum Contaminate Level.

Notes:

1. Calculated analytes are based on raw data and may not reflect the rounding of the individual compounds.
2. Samples are analyzed using the information received on the request sheet and may not be analyzed when the parameters fall outside required guidelines.

