



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

Date: May 21, 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 May 12, 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 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: 5/12/20 12:44
 Ohio EPA Analyzed Date: 5/21/20 13:25

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: Mike Hill
 Sample Date/Time: 5/11/20 13:10
 Sample Monitoring Point: DS201
 Sample Type: RT
 Sample Tap/Address: Hydrant, 7125 Berkey Southern Rd., Whitehouse, OH 43571

Sample ID: 786881

Lab Sample # : 0E01320-01 (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	5/19/20 9:51	5/19/20 19:23	ERW	EPA Method 552.3
Dichloroacetic Acid	3.5	ug/L		1.0	0.4	5/19/20 9:51	5/19/20 19:23	ERW	EPA Method 552.3
Trichloroacetic Acid	ND	ug/L		1.0	0.3	5/19/20 9:51	5/19/20 19:23	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	5/19/20 9:51	5/19/20 19:23	ERW	EPA Method 552.3
Dibromoacetic Acid	3.5	ug/L		1.0	0.5	5/19/20 9:51	5/19/20 19:23	ERW	EPA Method 552.3
HAA 5 Total	7.0	ug/L		6.0		5/19/20 9:51	5/19/20 19:23	ERW	EPA Method 552.3
<hr/>									
<i>Surrogate: 2-Bromopropanoic Acid</i>		<i>114%</i>			<i>70-130</i>				
Chloroform	7.1	ug/L		0.5	0.02	5/18/20 23:36	5/18/20 23:36	DTS	EPA Method 524.2
Bromoform	2.1	ug/L		0.5	0.1	5/18/20 23:36	5/18/20 23:36	DTS	EPA Method 524.2
Bromodichloromethane	7.3	ug/L		0.5	0.04	5/18/20 23:36	5/18/20 23:36	DTS	EPA Method 524.2
Dibromochloromethane	6.9	ug/L		0.5	0.07	5/18/20 23:36	5/18/20 23:36	DTS	EPA Method 524.2
Total THM	23.4	ug/L		2.0		5/18/20 23:36	5/18/20 23:36	DTS	EPA Method 524.2
<hr/>									
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>94%</i>			<i>70-130</i>				
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		<i>92%</i>			<i>70-130</i>				



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Whitehouse, OH 43571

Client #: 606
PO Number:
Date Received: 5/12/20 12:44
Ohio EPA Analyzed Date: 5/21/20 13:25

Project Manager: Jane McIntire

Sampler Name: Mike Hill
Sample Date/Time: 5/11/20 13:40
Sample Monitoring Point: DS202
Sample Type: RT
Sample Tap/Address: Hydrant, 7344 Providence St., Whitehouse, OH 43571

PWSID: OH4801612 Facility ID: DS1
Repeat Sample #:
Total Chlorine (mg/L):
Free Chlorine (mg/L):
Combined Chlorine (mg/L):

Sample ID: 786880

Lab Sample # : 0E01320-02 (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	5/19/20 9:51	5/19/20 19:53	ERW	EPA Method 552.3
Dichloroacetic Acid	3.8	ug/L		1.0	0.4	5/19/20 9:51	5/19/20 19:53	ERW	EPA Method 552.3
Trichloroacetic Acid	ND	ug/L		1.0	0.3	5/19/20 9:51	5/19/20 19:53	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	5/19/20 9:51	5/19/20 19:53	ERW	EPA Method 552.3
Dibromoacetic Acid	3.1	ug/L		1.0	0.5	5/19/20 9:51	5/19/20 19:53	ERW	EPA Method 552.3
HAA 5 Total	6.9	ug/L		6.0		5/19/20 9:51	5/19/20 19:53	ERW	EPA Method 552.3
<hr/>									
<i>Surrogate: 2-Bromopropanoic Acid</i>		<i>106%</i>			<i>70-130</i>				
Chloroform	5.5	ug/L		0.5	0.02	5/19/20 0:05	5/19/20 0:05	DTS	EPA Method 524.2
Bromoform	1.5	ug/L		0.5	0.1	5/19/20 0:05	5/19/20 0:05	DTS	EPA Method 524.2
Bromodichloromethane	4.1	ug/L		0.5	0.04	5/19/20 0:05	5/19/20 0:05	DTS	EPA Method 524.2
Dibromochloromethane	4.1	ug/L		0.5	0.07	5/19/20 0:05	5/19/20 0:05	DTS	EPA Method 524.2
Total THM	15.3	ug/L		2.0		5/19/20 0:05	5/19/20 0:05	DTS	EPA Method 524.2
<hr/>									
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>99%</i>			<i>70-130</i>				
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		<i>97%</i>			<i>70-130</i>				



CERTIFICATE of ANALYSIS

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Steve Pilcher
Po Box 2476
Whitehouse, OH 43571

Client #: 606
PO Number:
Date Received: 5/12/20 12:44
Ohio EPA Analyzed Date: 5/21/20 13:25

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: Mike Hill
Sample Date/Time: 5/11/20 14:05
Sample Monitoring Point: EP001
Sample Type: SP
Sample Tap/Address: Sink, 6010 N. Texas St., Whitehouse, OH 43571

Sample ID: 786884

Lab Sample # : 0E01320-03 (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	5/19/20 9:51	5/19/20 20:23	ERW	EPA Method 552.3
Dichloroacetic Acid	2.9	ug/L		1.0	0.4	5/19/20 9:51	5/19/20 20:23	ERW	EPA Method 552.3
Trichloroacetic Acid	ND	ug/L		1.0	0.3	5/19/20 9:51	5/19/20 20:23	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	5/19/20 9:51	5/19/20 20:23	ERW	EPA Method 552.3
Dibromoacetic Acid	3.2	ug/L		1.0	0.5	5/19/20 9:51	5/19/20 20:23	ERW	EPA Method 552.3
HAA 5 Total	6.1	ug/L		6.0		5/19/20 9:51	5/19/20 20:23	ERW	EPA Method 552.3
<hr/>									
<i>Surrogate: 2-Bromopropanoic Acid</i>		<i>106%</i>			<i>70-130</i>				
Chloroform	7.6	ug/L		0.5	0.02	5/19/20 0:33	5/19/20 0:33	DTS	EPA Method 524.2
Bromoform	2.3	ug/L		0.5	0.1	5/19/20 0:33	5/19/20 0:33	DTS	EPA Method 524.2
Bromodichloromethane	7.0	ug/L		0.5	0.04	5/19/20 0:33	5/19/20 0:33	DTS	EPA Method 524.2
Dibromochloromethane	6.6	ug/L		0.5	0.07	5/19/20 0:33	5/19/20 0:33	DTS	EPA Method 524.2
Total THM	23.5	ug/L		2.0		5/19/20 0:33	5/19/20 0:33	DTS	EPA Method 524.2
<hr/>									
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>99%</i>			<i>70-130</i>				
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		<i>97%</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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 Steve Pilcher
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 Whitehouse, OH 43571

Client #: 606
 PO Number:
 Date Received: 5/12/20 12:44
 Ohio EPA Analyzed Date: 5/21/20 13:25

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: Mike Hill
 Sample Date/Time: 5/11/20 14:30
 Sample Monitoring Point: DS000
 Sample Type: SP
 Sample Tap/Address: Hydrant, 6317 Finzel Rd., Whitehouse, OH 43571

Sample ID: 786883

Lab Sample # : 0E01320-04 (Potable)

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

Chloroform	1.7	ug/L		0.5	0.02	5/19/20 1:02	5/19/20 1:02	DTS	EPA Method 524.2
Bromoform	1.3	ug/L		0.5	0.1	5/19/20 1:02	5/19/20 1:02	DTS	EPA Method 524.2
Bromodichloromethane	2.3	ug/L		0.5	0.04	5/19/20 1:02	5/19/20 1:02	DTS	EPA Method 524.2
Dibromochloromethane	2.9	ug/L		0.5	0.07	5/19/20 1:02	5/19/20 1:02	DTS	EPA Method 524.2
Total THM	8.1	ug/L		2.0		5/19/20 1:02	5/19/20 1:02	DTS	EPA Method 524.2

Surrogate: 4-Bromofluorobenzene *99%* *70-130*

Surrogate: 1,2-Dichlorobenzene-d4 *97%* *70-130*



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 Whitehouse, OH 43571

Client #: 606
 PO Number:
 Date Received: 5/12/20 12:44
 Ohio EPA Analyzed Date: 5/21/20 13:25

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: Mike Hill
 Sample Date/Time: 5/11/20 11:00
 Sample Monitoring Point: DS000
 Sample Type: SP
 Sample Tap/Address: Hose Bib, 6763 Gilead St., Whitehouse, OH 43571

Sample ID: 786885

Lab Sample # : 0E01320-05 (Potable)

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

Chloroform	1.5	ug/L		0.5	0.02	5/19/20 1:30	5/19/20 1:30	DTS	EPA Method 524.2
Bromoform	1.3	ug/L		0.5	0.1	5/19/20 1:30	5/19/20 1:30	DTS	EPA Method 524.2
Bromodichloromethane	2.2	ug/L		0.5	0.04	5/19/20 1:30	5/19/20 1:30	DTS	EPA Method 524.2
Dibromochloromethane	2.8	ug/L		0.5	0.07	5/19/20 1:30	5/19/20 1:30	DTS	EPA Method 524.2
Total THM	7.7	ug/L		2.0		5/19/20 1:30	5/19/20 1:30	DTS	EPA Method 524.2

<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98%</i>	<i>70-130</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>95%</i>	<i>70-130</i>



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

Client #: 606
 PO Number:
 Date Received: 5/12/20 12:44
 Ohio EPA Analyzed Date: 5/21/20 13:25

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: Mike Hill
 Sample Date/Time: 5/11/20 14:50
 Sample Monitoring Point: DS000
 Sample Type: SP
 Sample Tap/Address: Hose Bib, 8770 Dutch Rd., Whitehouse, OH 43571

Sample ID: 786882

Lab Sample # : 0E01320-06 (Potable)

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

Chloroform	7.4	ug/L		0.5	0.02	5/19/20 1:59	5/19/20 1:59	DTS	EPA Method 524.2
Bromoform	2.1	ug/L		0.5	0.1	5/19/20 1:59	5/19/20 1:59	DTS	EPA Method 524.2
Bromodichloromethane	7.7	ug/L		0.5	0.04	5/19/20 1:59	5/19/20 1:59	DTS	EPA Method 524.2
Dibromochloromethane	7.1	ug/L		0.5	0.07	5/19/20 1:59	5/19/20 1:59	DTS	EPA Method 524.2
Total THM	24.2	ug/L		2.0		5/19/20 1:59	5/19/20 1:59	DTS	EPA Method 524.2

Surrogate: 4-Bromofluorobenzene *97%* *70-130*

Surrogate: 1,2-Dichlorobenzene-d4 *95%* *70-130*



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

Client #: 606
PO Number:
Date Received: 5/12/20 12:44
Ohio EPA Analyzed Date: 5/21/20 13:25

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.



ENVIRONMENTAL
LABORATORIES

7940 Memorial Drive
Plain City, OH 43064
614-873-4654

Potable
Chemical Analysis

Analysis Request (AR) No

** See reverse for imp

0E01320-02

AR # 786880
Received: 5/12/2020
Matrix: Potable

786880

Client #: 606 Client Name: Village of Whitehouse P.O.# _____

Sampler Name: Mike Hill SMP ID: DS202 Sample Type: Compliance (C)
 New Well (N)
 Special/Other (O)

Sample Tap: Hydrant Date Collected: 05/11/20 Time Collected: 13:40 pm
(MM/DD/YY) (hh:mm am/pm)

Tap Address: 7344 Providence St., Whitehouse, Oh. 43571

Public Sample PWS ID #: 4801612 Facility ID #: DS1 Private Sample

Non-Preserved Parameters	Misc. Parameters & Preservatives	SOC Parameter Groups
<input type="checkbox"/> 183 Asbestos	<input type="checkbox"/> 154 VOC (Ascorbic Acid/HCL) 524.2	<input type="checkbox"/> 900 GROUP 1 Method 525.2
<input type="checkbox"/> 158 Total (Gross) Alpha	<input checked="" type="checkbox"/> 213 TTHM (Ascorbic Acid/HCL) 524.2	<input type="checkbox"/> 899 GROUP 2 Method 515.3
<input type="checkbox"/> 159 Total (Gross) Beta	<input checked="" type="checkbox"/> 375 HAAS (NH4CL) 552.3	<input type="checkbox"/> 903 GROUP 2 Method 531.1
<input type="checkbox"/> 254 Radium 228	<input type="checkbox"/> 171 Toluene 524.2 or 8260	<input type="checkbox"/> 898 GROUP 3 Method 508
	<input type="checkbox"/> 174 BTEX (Ascorbic Acid/HCL)	<input type="checkbox"/> 904 GROUP 3 Method 547
	<input type="checkbox"/> 317 Lithium	<input type="checkbox"/> 905 GROUP 3 Method 549.2
<input type="checkbox"/> 371 UV254	<input type="checkbox"/> 134 Titanium	<input type="checkbox"/> 900 GROUP 4 Method 525.2
<input type="checkbox"/> 354 DOC	<input type="checkbox"/> 157 Total Organic Halogens	<input type="checkbox"/> 901 GROUP 4 Method 548.1
<input type="checkbox"/> 1080 SUVA	<input type="checkbox"/> 366 Hydrogen Sulfide	<input type="checkbox"/> 701 Alachlor 525.2
	<input type="checkbox"/> 123 Sulfide	<input type="checkbox"/> 702 Atrazine 525.2
<input type="checkbox"/> 166 Bromide		<input type="checkbox"/> 707 Simazine 525.2
<input type="checkbox"/> 34 Chloride	<input type="checkbox"/> 138 TOC (Phosphoric Acid)	<input type="checkbox"/> SOC
<input type="checkbox"/> 1195 Bromide Chloride Ratio		<input type="checkbox"/> SOC
<input type="checkbox"/> 746 2,3,7,8-TCDD (Dioxin)	<input type="checkbox"/> 1243 (H.A.B.) Microcystins	<input type="checkbox"/> SOC
<input type="checkbox"/> 271 PAH 525.2 or 8270		<input type="checkbox"/> SOC
<input type="checkbox"/> 124 Sulfite		<input type="checkbox"/> SOC
<input type="checkbox"/> Other		
		<input type="checkbox"/> Fuel Charge

Office Use
 Only: _____ 8

N: _____ Total Containers: 2
 S: _____
 U: _____

Route

LEM

Office/Lab

SKM

COOLER: **D**

Revised 05-01-19 DN

