



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

Date: December 02, 2019

Whitehouse, Village Of (606)

Attn: Steve Pilcher

Po Box 2476

Whitehouse, OH 43571

Project Manager: Jane McIntire

RE: Certificate of Analysis for Project - OH4801612

The following report contains analytical results for samples submitted on the chain of custody dated November 12, 2019.

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: 11/12/19 13:18
Ohio EPA Analyzed Date: 12/2/19 13:58

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: 11/12/19 10:25
Sample Monitoring Point: DS000
Sample Type: RT
Sample Tap/Address: Hydrant, 7155 Berkey Southern

Sample ID: 743974

Lab Sample # : 9K01271-01 (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	1.9	11/18/19 10:10	11/27/19 9:36	ERW	EPA Method 552.3
Dichloroacetic Acid	11.5	ug/L		1.0	0.6	11/18/19 10:10	11/27/19 9:36	ERW	EPA Method 552.3
Trichloroacetic Acid	1.3	ug/L		1.0	0.3	11/18/19 10:10	11/27/19 9:36	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	11/18/19 10:10	11/27/19 9:36	ERW	EPA Method 552.3
Dibromoacetic Acid	2.6	ug/L		1.0	0.9	11/18/19 10:10	11/27/19 9:36	ERW	EPA Method 552.3
HAA 5 Total	15.4	ug/L		6.0		11/18/19 10:10	11/27/19 9:36	ERW	EPA Method 552.3
<i>Surrogate: 2-Bromopropanoic Acid</i>			<i>113%</i>			<i>70-130</i>			
Chloroform	38.1	ug/L		0.5	0.02	11/14/19 18:31	11/14/19 18:31	DTS	EPA Method 524.2
Bromoform	1.4	ug/L		0.5	0.1	11/14/19 18:31	11/14/19 18:31	DTS	EPA Method 524.2
Bromodichloromethane	13.3	ug/L		0.5	0.04	11/14/19 18:31	11/14/19 18:31	DTS	EPA Method 524.2
Dibromochloromethane	7.5	ug/L		0.5	0.07	11/14/19 18:31	11/14/19 18:31	DTS	EPA Method 524.2
Total THM	60.2	ug/L		2.0		11/14/19 18:31	11/14/19 18:31	DTS	EPA Method 524.2
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>77%</i>			<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>102%</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
Po Box 2476
Whitehouse, OH 43571

Client #: 606
PO Number:
Date Received: 11/12/19 13:18
Ohio EPA Analyzed Date: 12/2/19 13:58

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: 11/12/19 10:05
Sample Monitoring Point: DS000
Sample Type: RT
Sample Tap/Address: Hydrant, 7344 Providence St

Sample ID: 743975

Lab Sample # : 9K01271-02 (Potable)

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

Monochloroacetic Acid	ND	ug/L		2.0	1.9	11/18/19 10:10	11/27/19 10:14	ERW	EPA Method 552.3
Dichloroacetic Acid	13.5	ug/L		1.0	0.6	11/18/19 10:10	11/27/19 10:14	ERW	EPA Method 552.3
Trichloroacetic Acid	1.8	ug/L		1.0	0.3	11/18/19 10:10	11/27/19 10:14	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	11/18/19 10:10	11/27/19 10:14	ERW	EPA Method 552.3
Dibromoacetic Acid	2.7	ug/L		1.0	0.9	11/18/19 10:10	11/27/19 10:14	ERW	EPA Method 552.3
HAA 5 Total	18.1	ug/L		6.0		11/18/19 10:10	11/27/19 10:14	ERW	EPA Method 552.3

<i>Surrogate: 2-Bromopropanoic Acid</i>			<i>119%</i>	<i>70-130</i>					
Chloroform	16.6	ug/L		0.5	0.02	11/14/19 18:56	11/14/19 18:56	DTS	EPA Method 524.2
Bromoform	1.0	ug/L		0.5	0.1	11/14/19 18:56	11/14/19 18:56	DTS	EPA Method 524.2
Bromodichloromethane	6.1	ug/L		0.5	0.04	11/14/19 18:56	11/14/19 18:56	DTS	EPA Method 524.2
Dibromochloromethane	3.9	ug/L		0.5	0.07	11/14/19 18:56	11/14/19 18:56	DTS	EPA Method 524.2
Total THM	27.6	ug/L		2.0		11/14/19 18:56	11/14/19 18:56	DTS	EPA Method 524.2

<i>Surrogate: 4-Bromofluorobenzene</i>			<i>77%</i>	<i>70-130</i>					
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>95%</i>	<i>70-130</i>					

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 Steve Pilcher
 Po Box 2476
 Whitehouse, OH 43571

Client #: 606
 PO Number:
 Date Received: 11/12/19 13:18
 Ohio EPA Analyzed Date: 12/2/19 13:58

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: 11/12/19 09:40
 Sample Monitoring Point: DS000
 Sample Type: SP
 Sample Tap/Address: Sink, 6010 N Texas St

Sample ID: 743976

Lab Sample # : 9K01271-03 (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	1.9	11/18/19 10:10	11/27/19 10:53	ERW	EPA Method 552.3
Dichloroacetic Acid	11.9	ug/L		1.0	0.6	11/18/19 10:10	11/27/19 10:53	ERW	EPA Method 552.3
Trichloroacetic Acid	1.5	ug/L		1.0	0.3	11/18/19 10:10	11/27/19 10:53	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.5	11/18/19 10:10	11/27/19 10:53	ERW	EPA Method 552.3
Dibromoacetic Acid	2.8	ug/L		1.0	0.9	11/18/19 10:10	11/27/19 10:53	ERW	EPA Method 552.3
HAA 5 Total	16.2	ug/L		6.0		11/18/19 10:10	11/27/19 10:53	ERW	EPA Method 552.3
<i>Surrogate: 2-Bromopropanoic Acid</i>			<i>115%</i>			<i>70-130</i>			
Chloroform	25.1	ug/L		0.5	0.02	11/14/19 19:21	11/14/19 19:21	DTS	EPA Method 524.2
Bromoform	1.3	ug/L		0.5	0.1	11/14/19 19:21	11/14/19 19:21	DTS	EPA Method 524.2
Bromodichloromethane	12.9	ug/L		0.5	0.04	11/14/19 19:21	11/14/19 19:21	DTS	EPA Method 524.2
Dibromochloromethane	7.6	ug/L		0.5	0.07	11/14/19 19:21	11/14/19 19:21	DTS	EPA Method 524.2
Total THM	46.8	ug/L		2.0		11/14/19 19:21	11/14/19 19:21	DTS	EPA Method 524.2
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>82%</i>			<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>101%</i>			<i>70-130</i>			



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Client #: 606
 PO Number:
 Date Received: 11/12/19 13:18
 Ohio EPA Analyzed Date: 12/2/19 13:58

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: 11/12/19 10:45
 Sample Monitoring Point: DS000
 Sample Type: SP
 Sample Tap/Address: Hose Bib, 6763 Gilead St

Sample ID: 743972

Lab Sample # : 9K01271-04 (Potable)

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

Chloroform	4.3	ug/L		0.5	0.02	11/14/19 19:45	11/14/19 19:45	DTS	EPA Method 524.2
Bromoform	0.9	ug/L		0.5	0.1	11/14/19 19:45	11/14/19 19:45	DTS	EPA Method 524.2
Bromodichloromethane	3.1	ug/L		0.5	0.04	11/14/19 19:45	11/14/19 19:45	DTS	EPA Method 524.2
Dibromochloromethane	2.9	ug/L		0.5	0.07	11/14/19 19:45	11/14/19 19:45	DTS	EPA Method 524.2
Total THM	11.1	ug/L		2.0		11/14/19 19:45	11/14/19 19:45	DTS	EPA Method 524.2

<i>Surrogate: 4-Bromofluorobenzene</i>	<i>76%</i>	<i>70-130</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>99%</i>	<i>70-130</i>



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 Ohio EPA Analyzed Date: 12/2/19 13:58

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: 11/12/19 11:20
 Sample Monitoring Point: DS000
 Sample Type: SP
 Sample Tap/Address: Hose Bib, 8770 Dutch Rd

Sample ID: 743971

Lab Sample # : 9K01271-05 (Potable)

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

Chloroform	26.3	ug/L		0.5	0.02	11/15/19 15:40	11/15/19 15:40	DTS	EPA Method 524.2
Bromoform	1.3	ug/L		0.5	0.1	11/15/19 15:40	11/15/19 15:40	DTS	EPA Method 524.2
Bromodichloromethane	13.5	ug/L		0.5	0.04	11/15/19 15:40	11/15/19 15:40	DTS	EPA Method 524.2
Dibromochloromethane	7.4	ug/L		0.5	0.07	11/15/19 15:40	11/15/19 15:40	DTS	EPA Method 524.2
Total THM	48.4	ug/L		2.0		11/15/19 15:40	11/15/19 15:40	DTS	EPA Method 524.2
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>79%</i>		<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>102%</i>		<i>70-130</i>			



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Client #: 606
PO Number:
Date Received: 11/12/19 13:18
Ohio EPA Analyzed Date: 12/2/19 13:58

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: 11/12/19 11:00
Sample Monitoring Point: DS000
Sample Type: SP
Sample Tap/Address: Hydrant, 6317 Finzel Rd

Sample ID: 743973

Lab Sample # : 9K01271-06 (Potable)

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

Chloroform	4.2	ug/L		0.5	0.02	11/15/19 16:04	11/15/19 16:04	DTS	EPA Method 524.2
Bromoform	0.7	ug/L		0.5	0.1	11/15/19 16:04	11/15/19 16:04	DTS	EPA Method 524.2
Bromodichloromethane	3.1	ug/L		0.5	0.04	11/15/19 16:04	11/15/19 16:04	DTS	EPA Method 524.2
Dibromochloromethane	2.4	ug/L		0.5	0.07	11/15/19 16:04	11/15/19 16:04	DTS	EPA Method 524.2
Total THM	10.3	ug/L		2.0		11/15/19 16:04	11/15/19 16:04	DTS	EPA Method 524.2
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>82%</i>		<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>				<i>99%</i>		<i>70-130</i>			



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PO Number:
Date Received: 11/12/19 13:18
Ohio EPA Analyzed Date: 12/2/19 13:58

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.

