



## CERTIFICATE of ANALYSIS

*Microbiological/Inorganic Certification - 877*

*Organic Certification - 4100*

Date: November 26, 2018

Steve Pilcher  
Whitehouse, Village Of (606)  
Po Box 2476  
Whitehouse, OH 43571

RE: OH4801612

The following report contains analytical results for samples submitted on the chain of custody dated November 13, 2018.

I have reviewed the validity of the analytical data generated and reported in accordance with OEPA/Standard Method requirements, in addition to our laboratory QA/QC plan. Any exceptions are noted in the Case Narrative or noted with qualifiers in the report.

If you have any questions or need additional documentation, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "C. Rex".

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



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

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Organic Certification - 4100

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

Client #: 606  
 PO Number:  
 Date Received: 11/13/18 15:10  
 Ohio EPA Analyzed Date: 11/26/18 15:25

Sampler Name: Mike Hill  
 Sample Date/Time: 11/12/18 14:40  
 Sample Monitoring Point: DS000  
 Sample Type: SP  
 Sample Tap/Address: Hydrant 6317 Finzel Rd Whitehouse

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

**Sample ID: 641571**  
**Lab Sample # : 8K01497-01 (Potable)**

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
<b>Disinfection Byproducts (DBP)</b>									
Chloroform	17.1	ug/L		0.5	0.02	11/20/18 4:40	11/20/18 4:40	DTS	EPA Method 524.2
Bromoform	3.4	ug/L		0.5	0.1	11/20/18 4:40	11/20/18 4:40	DTS	EPA Method 524.2
Bromodichloromethane	12.1	ug/L		0.5	0.04	11/20/18 4:40	11/20/18 4:40	DTS	EPA Method 524.2
Dibromochloromethane	10.7	ug/L		0.5	0.07	11/20/18 4:40	11/20/18 4:40	DTS	EPA Method 524.2
Total THM	43.3	ug/L		2.0		11/20/18 4:40	11/20/18 4:40	DTS	EPA Method 524.2
-----									
Surrogate: 4-Bromofluorobenzene			81%			70-130			
Surrogate: 1,2-Dichlorobenzene-d4			100%			70-130			



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Client #: 606  
 PO Number:  
 Date Received: 11/13/18 15:10  
 Ohio EPA Analyzed Date: 11/26/18 15:25

Sampler Name: Mike Hill  
 Sample Date/Time: 11/12/18 11:10  
 Sample Monitoring Point: DS000  
 Sample Type: RT  
 Sample Tap/Address: Hose Bib 6763 Gilead St Whitehouse

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

**Sample ID: 641573**  
**Lab Sample # : 8K01497-02 (Potable)**

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method	
<b>Disinfection Byproducts (DBP)</b>										
Chloroform	19.0	ug/L		0.5	0.02	11/20/18 5:05	11/20/18 5:05	DTS	EPA Method 524.2	
Bromoform	3.3	ug/L		0.5	0.1	11/20/18 5:05	11/20/18 5:05	DTS	EPA Method 524.2	
Bromodichloromethane	12.5	ug/L		0.5	0.04	11/20/18 5:05	11/20/18 5:05	DTS	EPA Method 524.2	
Dibromochloromethane	10.6	ug/L		0.5	0.07	11/20/18 5:05	11/20/18 5:05	DTS	EPA Method 524.2	
Total THM	45.4	ug/L		2.0		11/20/18 5:05	11/20/18 5:05	DTS	EPA Method 524.2	
<hr/>										
Surrogate: 4-Bromofluorobenzene				77%		70-130				
Surrogate: 1,2-Dichlorobenzene-d4				100%		70-130				



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 Steve Pilcher  
 Po Box 2476  
 Whitehouse, OH 43571

Client #: 606  
 PO Number:  
 Date Received: 11/13/18 15:10  
 Ohio EPA Analyzed Date: 11/26/18 15:25

Sampler Name: Mike Hill  
 Sample Date/Time: 11/12/18 11:25  
 Sample Monitoring Point: DS000  
 Sample Type: RT  
 Sample Tap/Address: Hose Bib 8770 Dutch Rd Whitehouse

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

**Sample ID: 641574**  
**Lab Sample # : 8K01497-03 (Potable)**

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
<b>Disinfection Byproducts (DBP)</b>									
Chloroform	7.4	ug/L		0.5	0.02	11/20/18 5:30	11/20/18 5:30	DTS	EPA Method 524.2
Bromoform	2.9	ug/L		0.5	0.1	11/20/18 5:30	11/20/18 5:30	DTS	EPA Method 524.2
Bromodichloromethane	8.6	ug/L		0.5	0.04	11/20/18 5:30	11/20/18 5:30	DTS	EPA Method 524.2
Dibromochloromethane	8.7	ug/L		0.5	0.07	11/20/18 5:30	11/20/18 5:30	DTS	EPA Method 524.2
<b>Total THM</b>	<b>27.6</b>	ug/L		2.0		11/20/18 5:30	11/20/18 5:30	DTS	EPA Method 524.2
<hr/>									
Surrogate: 4-Bromofluorobenzene			77%			70-130			
Surrogate: 1,2-Dichlorobenzene-d4			95%			70-130			



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 Whitehouse, OH 43571

Client #: 606  
 PO Number:  
 Date Received: 11/13/18 15:10  
 Ohio EPA Analyzed Date: 11/26/18 15:25

Sampler Name: Mike Hill  
 Sample Date/Time: 11/12/18 10:20  
 Sample Monitoring Point: DS201  
 Sample Type: RT  
 Sample Tap/Address: Hydrant 7125 Berkey Southern Rd Whitehouse

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

**Sample ID: 641570**  
**Lab Sample # : 8K01497-05 (Potable)**

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
<b>Disinfection Byproducts (DBP)</b>									
Monochloroacetic Acid	ND	ug/L		2.0	0.9	11/19/18 8:45	11/21/18 0:04	ERW	EPA Method 552.3
Dichloroacetic Acid	7.4	ug/L		1.0	0.4	11/19/18 8:45	11/21/18 0:04	ERW	EPA Method 552.3
Trichloroacetic Acid	1.0	ug/L		1.0	0.5	11/19/18 8:45	11/21/18 0:04	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.3	11/19/18 8:45	11/21/18 0:04	ERW	EPA Method 552.3
Dibromoacetic Acid	3.8	ug/L		1.0	0.4	11/19/18 8:45	11/21/18 0:04	ERW	EPA Method 552.3
<b>HAA 5 Total</b>	<b>12.2</b>	ug/L		6.0		11/19/18 8:45	11/21/18 0:04	ERW	EPA Method 552.3
<i>Surrogate: 2-Bromopropanoic Acid</i>			106%	<i>70-130</i>					
Chloroform	34.2	ug/L		0.5	0.02	11/20/18 6:17	11/20/18 6:17	DTS	EPA Method 524.2
Bromoform	2.9	ug/L		0.5	0.1	11/20/18 6:17	11/20/18 6:17	DTS	EPA Method 524.2
Bromodichloromethane	15.3	ug/L		0.5	0.04	11/20/18 6:17	11/20/18 6:17	DTS	EPA Method 524.2
Dibromochloromethane	11.4	ug/L		0.5	0.07	11/20/18 6:17	11/20/18 6:17	DTS	EPA Method 524.2
<b>Total THM</b>	<b>63.8</b>	ug/L		2.0		11/20/18 6:17	11/20/18 6:17	DTS	EPA Method 524.2
<i>Surrogate: 4-Bromofluorobenzene</i>			79%	<i>70-130</i>					
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			93%	<i>70-130</i>					



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Client #: 606  
PO Number:  
Date Received: 11/13/18 15:10  
Ohio EPA Analyzed Date: 11/26/18 15:25

Sampler Name: Mike Hill  
Sample Date/Time: 11/12/18 10:45  
Sample Monitoring Point: DS202  
Sample Type: RT  
Sample Tap/Address: Hydrant 7344 Providence St Whitehouse

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

**Sample ID: 641569**  
**Lab Sample # : 8K01497-04 (Potable)**

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
<b>Disinfection Byproducts (DBP)</b>									
Monochloroacetic Acid	ND	ug/L		2.0	0.9	11/19/18 8:45	11/20/18 23:28	ERW	EPA Method 552.3
Dichloroacetic Acid	9.4	ug/L		1.0	0.4	11/19/18 8:45	11/20/18 23:28	ERW	EPA Method 552.3
Trichloroacetic Acid	1.2	ug/L		1.0	0.5	11/19/18 8:45	11/20/18 23:28	ERW	EPA Method 552.3
Monobromoacetic Acid	ND	ug/L		1.0	0.3	11/19/18 8:45	11/20/18 23:28	ERW	EPA Method 552.3
Dibromoacetic Acid	ND	ug/L		1.0	0.4	11/19/18 8:45	11/20/18 23:28	ERW	EPA Method 552.3
<b>HAA 5 Total</b>	<b>10.6</b>	ug/L		6.0		11/19/18 8:45	11/20/18 23:28	ERW	EPA Method 552.3
<i>Surrogate: 2-Bromopropanoic Acid</i>									
			108%			70-130			
Chloroform	36.1	ug/L		0.5	0.02	11/20/18 5:54	11/20/18 5:54	DTS	EPA Method 524.2
Bromoform	2.7	ug/L		0.5	0.1	11/20/18 5:54	11/20/18 5:54	DTS	EPA Method 524.2
Bromodichloromethane	15.6	ug/L		0.5	0.04	11/20/18 5:54	11/20/18 5:54	DTS	EPA Method 524.2
Dibromochloromethane	11.3	ug/L		0.5	0.07	11/20/18 5:54	11/20/18 5:54	DTS	EPA Method 524.2
<b>Total THM</b>	<b>65.7</b>	ug/L		2.0		11/20/18 5:54	11/20/18 5:54	DTS	EPA Method 524.2
<i>Surrogate: 4-Bromofluorobenzene</i>									
			78%			70-130			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>									
			93%			70-130			



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Client #: 606  
 PO Number:  
 Date Received: 11/13/18 15:10  
 Ohio EPA Analyzed Date: 11/26/18 15:25

Sampler Name: Mike Hill  
 Sample Date/Time: 11/12/18 12:10  
 Sample Monitoring Point: EP001  
 Sample Type: RT  
 Sample Tap/Address: Sink 6010 N Texas St Whitehouse

PWSID: OH4801612 Facility ID: 4855849  
 Repeat Sample #:  
 Total Chlorine (mg/L):  
 Free Chlorine (mg/L):  
 Combined Chlorine (mg/L):

**Sample ID: 641572**

**Lab Sample # : 8K01497-06 (Potable)**

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method	
<b>Disinfection Byproducts (DBP)</b>										
Monochloroacetic Acid	ND	ug/L		2.0	0.9	11/19/18 8:45	11/21/18 0:39	ERW	EPA Method 552.3	
Dichloroacetic Acid	3.8	ug/L		1.0	0.4	11/19/18 8:45	11/21/18 0:39	ERW	EPA Method 552.3	
Trichloroacetic Acid	ND	ug/L		1.0	0.5	11/19/18 8:45	11/21/18 0:39	ERW	EPA Method 552.3	
Monobromoacetic Acid	ND	ug/L		1.0	0.3	11/19/18 8:45	11/21/18 0:39	ERW	EPA Method 552.3	
Dibromoacetic Acid	3.9	ug/L		1.0	0.4	11/19/18 8:45	11/21/18 0:39	ERW	EPA Method 552.3	
HAA 5 Total	7.7	ug/L		6.0		11/19/18 8:45	11/21/18 0:39	ERW	EPA Method 552.3	
<i>Surrogate: 2-Bromopropanoic Acid</i> <span style="float: right;">109%</span> <span style="float: right;">70-130</span>										
Chloroform	10.2	ug/L		0.5	0.02	11/20/18 6:41	11/20/18 6:41	DTS	EPA Method 524.2	
Bromoform	3.6	ug/L		0.5	0.1	11/20/18 6:41	11/20/18 6:41	DTS	EPA Method 524.2	
Bromodichloromethane	10.1	ug/L		0.5	0.04	11/20/18 6:41	11/20/18 6:41	DTS	EPA Method 524.2	
Dibromochloromethane	9.9	ug/L		0.5	0.07	11/20/18 6:41	11/20/18 6:41	DTS	EPA Method 524.2	
Total THM	33.8	ug/L		2.0		11/20/18 6:41	11/20/18 6:41	DTS	EPA Method 524.2	
<i>Surrogate: 4-Bromofluorobenzene</i> <span style="float: right;">80%</span> <span style="float: right;">70-130</span>										
<i>Surrogate: 1,2-Dichlorobenzene-d4</i> <span style="float: right;">103%</span> <span style="float: right;">70-130</span>										



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Client #: 606  
PO Number:  
Date Received: 11/13/18 15:10  
Ohio EPA Analyzed Date: 11/26/18 15:25

### Notes and Definitions

<b>Item</b>	<b>Definition</b>
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.

*Cheryl Rex*

Cheryl Rex  
QA/QC Officer