

**District Board of Health Laboratory Services**

Date: 10-Nov-15

116 Westchester Drive, Austintown, Ohio 44515-3963

Phone: (330) 270-2841 Fax: (330) 270-5418 Email: sbolam@mahoninghealth.org

**Attn:** Keith Rees  
 Mahoning Valley Sanitary District  
 P.O. Box 4119  
 Youngstown, OH 44515-  
 TEL: (330) 652-3614  
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**Lab Order:** 15090188

**Project:** MVSD

**Report of Analysis**

**Lab ID:** 15090188-001 **Collection Date:** 9/29/2015 10:15 AM

**Client Sample ID** RS001 **Raw Water Sample Sink** **Matrix:** Drinking Water

Analyses	Base	Result	Reporting Limit	Units	DF	Date Analyzed
<b>CONDUCTIVITY</b>						
Conductivity	460	385	1	umhos/cm	1	10/6/2015
<b>pH</b>						
pH	7.56	6.22		ph Units	1	9/29/2015
<b>SOLIDS DISSOLVED</b>						
Total Dissolved Solids	310	258	1	mg/L	1	9/29/2015
<b>Solids, Suspended</b>						
Total Suspended Solids	2.0	< 5.00	5	mg/L	1	10/6/2015
<b>Oil &amp; Grease</b>						
Oil & Grease	ND	< 4.20	4.2	mg/L	1	10/15/2015
<b>Turbidity</b>						
Turbidity	2.5	2.37	0.1	NTU	1	10/6/2015
<b>Arsenic, SUB</b>						
Arsenic	ND	< 3	3	ug/L	1	11/5/2015
<b>Manganese</b>						
Manganese	0.088 mg/L	653	10	ug/L	1	11/5/2015
Barium	ND mg/L	< 100	100	ug/L	1	11/5/2015
Calcium	29	30.5		mg/L	1	11/5/2015
Chromium	ND	< 20.0	20	ug/L	1	11/5/2015
Iron	ND mg/L	108	50	ug/L	1	11/5/2015
Magnesium	11	10.1	0.1	mg/L	1	11/5/2015
Sodium	48	75.4	0.1	mg/L	1	11/5/2015
Potassium	4.7	6.82	0.1	mg/L	1	11/5/2015
Strontium	0.13 mg/L	103		ug/L	1	11/5/2015
<b>Lead, DW</b>						
<b>EPA 239.2</b>						

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - DF Dilution Factor
  - H Holding times for preparation or analysis exceeded
  - ND Not Detected at the Reporting Limit
  - B Analyte detected in the associated Method Blank
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - S Spike Recovery outside accepted recovery limits

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		Base				
Lead	ND	< 5.00	5	ug/L	1	11/5/2015
<b>Alkalinity</b>		<b>EPA 310.1</b>				
Alkalinity	70	25.0	1	mg/L	1	10/30/2015
<b>CHLORIDE</b>		<b>EPA 325.3</b>				
Chloride	66	7.57	1	mg/L	1	10/27/2015
<b>SULFATE</b>		<b>EPA 375.3</b>				
Sulfate	95	153	1	mg/L	1	10/23/2015
<b>MBAS</b>		<b>EPA 425.1</b>				
MBAS	ND	< 1.00	1	mg/L	1	10/1/2015
<b>BTEX</b>		<b>EPA 524.2</b>				
Toluene	ND mg/L	< 0.500	0.5	ug/L	1	10/15/2015
Benzene	ND mg/L	< 0.500	0.5	ug/L	1	10/15/2015
Ethylbenzene	ND mg/L	< 0.500	0.5	ug/L	1	10/15/2015
Xylenes, Total	0.71 mg/L	< 0.500	0.5	ug/L	1	10/15/2015
<b>Bromide</b>		<b>M4500-Br B</b>				
Bromide	< 0.2	< 0.100	0.1	mg/L	1	10/12/2015
<b>Nitrates (Nitrate + Nitrite)</b>		<b>M4500-NO3 D</b>				
Nitrates (Nitrate + Nitrite)	ND	< 0.500	0.5	mg/L	1	10/22/2015
<b>Methane</b>		<b>RSKSOP-175</b>				
Methane	ND	0.823	0.01	mg/L	1	10/12/2015
<b>HARDNESS</b>		<b>SM 2340B</b>				
Hardness	120	118	10	mg/L	1	11/5/2015
<b>Selenium_SUB</b>		<b>SM 3113B</b>				
Selenium	ND	< 4.00	4	ug/L	1	11/5/2015

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