



**CITY OF LOVELAND**

Department of Water and Power

Water Quality Division

200 N. Wilson Avenue, Loveland, CO 80537

(970) 667-8742; (970) 962-2573

**City of Loveland Treated Drinking Water Analysis  
Averages 2017**

*All units are in mg/L unless otherwise noted*

Detection Limit	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Detection Limit	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
1	Alkalinity	34	None	0.002	Lead	<0.002	MCL: 0.015
0.006	Aluminum	0.049	MCLG: <0.1	0.005	Manganese	0.016	MCLG: <0.05
0.01	Ammonia, as N	0.00	MCLG: <0.1	0.01	Nitrate, as N	0.15	MCL: 10.0
0.1	Color (Color Units)	0.85	MCLG: <10	N/A	pH (S.U.)	7.94	Optimum: 7.8
0.01	Chlorine, Free	1.36	MDRL: 4.0	0.1	Potassium	0.8	MCLG: <20.0
0.001	Chromium, Hexavalent	<0.002	None	0.3	Silica, as SiO <sub>2</sub>	4.0	MCLG: < 30
0.003	Chromium, Total	<0.002	MCL: 0.1	1	Specific Cond. (µS/cm)	104	None
0.0014	Copper	<0.0025	MCL: 1.3	0.1	Sulfate	10.8	MCLG: < 500
0.01	Fluoride	0.68	MCL: 4.0	1	Total Dissolved Solids	94	None
1	Hardness, Total	21	None (>250 is considered hard)	0.01	Turbidity (NTU)	0.05	MCL: 0.3
0.004	Iron, Total	0.002	MCLG: <0.3	0.009	Zinc	0.041	MCLG: < 5

Comments:

<sup>1</sup> MCL = Maximum Contaminant Level (mandated by the USEPA)

<sup>2</sup> MCLG = Maximum Contaminant Level Goal

<sup>3</sup> MDRL = Maximum Disinfectant Residual Level

mg/L = Milligrams/Liter = ppm = parts per million

S.U. = Standard Units

µS/cm = Micro-Siemens per centimeter = Micromhos per centimeter

NTU = Nephelometric Turbidity Units

0 = Below Detectable Limit.



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Department of Water and Power  
Water Quality Division

200 N. Wilson Avenue, Loveland, CO 80537  
(970) 667-8742; (970) 962-2573

**City of Loveland Treated Drinking Water Analysis  
January 2017**

Analyzed by: AB/DB/SM/EM

*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
1/2/2017	Alkalinity	34	None	1/2/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.050	MCLG: <0.1	1/2/2017	Manganese	0.012	MCLG: <0.05
1/12/2017	Ammonia, as N	0.00	MCLG: <0.1	1/2/2017	Nitrate, as N	0.24	MCL: 10.0
Monthly Average	Color (Color Units)	0.87	MCLG: <10	1/2/2017	pH (S.U.)	7.91	Optimum: 7.8
1/12/2017	Chlorine, Free	1.41	MDRL: 4.0	1/27/2017	Potassium	0.9	MCLG: <20.0
1/27/2017	Chromium, Hexavalent	<0.002	None	1/12/2017	Silica, as SiO <sub>2</sub>	3.0	MCLG: < 30
1/2/2017	Chromium, Total	<0.002	MCL: 0.1	1/27/2017	Specific Cond. (µS/cm)	113	None
1/2/2017	Copper	<0.0025	MCL: 1.3	1/12/2017	Sulfate	10.0	MCLG: < 500
1/27/2017	Fluoride	0.62	MCL: 4.0	1/27/2017	Total Dissolved Solids	102	None
1/12/2017	Hardness, Total	28	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.05	MCL: 0.3
1/12/2017	Iron, Total	0.006	MCLG: <0.3	1/27/2017	Zinc	0.020	MCLG: < 5

Comments:

<sup>1</sup> MCL = Maximum Contaminant Level (mandated by the USEPA)

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**City of Loveland Treated Drinking Water Analysis**  
**February 2017**

Analyzed by: AB/EM/DB/SM  
*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
2/6/2017	Alkalinity	38	None	2/9/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.047	MCLG: <0.1	2/6/2017	Manganese	0.015	MCLG: <0.05
2/24/2017	Ammonia, as N	0.00	MCLG: <0.1	2/6/2017	Nitrate, as N	0.10	MCL: 10.0
Monthly Average	Color (Color Units)	1.01	MCLG: <10	2/20/2017	pH (S.U.)	7.96	Optimum: 7.8
2/20/2017	Chlorine, Free	1.40	MDRL: 4.0	2/24/2017	Potassium	0.7	MCLG: <20.0
2/24/2017	Chromium, Hexavalent	<0.002	None	2/24/2017	Silica, as SiO <sub>2</sub>	2.0	MCLG: < 30
2/9/2017	Chromium, Total	<0.002	MCL: 0.1	2/24/2017	Specific Cond. (µS/cm)	109	None
2/9/2017	Copper	<0.0025	MCL: 1.3	2/24/2017	Sulfate	11.0	MCLG: < 500
2/24/2017	Fluoride	0.67	MCL: 4.0	2/24/2017	Total Dissolved Solids	98	None
2/24/2017	Hardness, Total	24	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.05	MCL: 0.3
2/24/2017	Iron, Total	0.002	MCLG: <0.3	2/24/2017	Zinc	0.010	MCLG: < 5

Comments:

<sup>1</sup> MCL = Maximum Contaminant Level (mandated by the USEPA)

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**City of Loveland Treated Drinking Water Analysis**  
**March 2017**

Analyzed by: DB/AB/EM/SM  
*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
3/6/2017	Alkalinity	36	None	3/6/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.045	MCLG: <0.1	3/6/2017	Manganese	0.013	MCLG: <0.05
3/7/2017	Ammonia, as N	0.00	MCLG: <0.1	3/6/2017	Nitrate, as N	0.06	MCL: 10.0
Monthly Average	Color (Color Units)	0.85	MCLG: <10	3/6/2017	pH (S.U.)	7.98	Optimum: 7.8
3/7/2017	Chlorine, Free	1.31	MDRL: 4.0	3/27/2017	Potassium	0.8	MCLG: <20.0
3/24/2017	Chromium, Hexavalent	<0.002	None	3/27/2017	Silica, as SiO <sub>2</sub>	3.0	MCLG: < 30
3/6/2017	Chromium, Total	<0.002	MCL: 0.1	3/27/2017	Specific Cond. (µS/cm)	109	None
3/6/2017	Copper	<0.0025	MCL: 1.3	3/27/2017	Sulfate	12.0	MCLG: < 500
3/7/2017	Fluoride	0.69	MCL: 4.0	3/27/2017	Total Dissolved Solids	98	None
3/7/2017	Hardness, Total	24	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.05	MCL: 0.3
3/24/2017	Iron, Total	0.002	MCLG: <0.3	3/27/2017	Zinc	0.020	MCLG: < 5

Comments:

<sup>1</sup> MCL = Maximum Contaminant Level (mandated by the USEPA)

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**City of Loveland Treated Drinking Water Analysis**

**April 2017**

Analyzed by: AB/DB/SM

*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
4/4/2017	Alkalinity	36	None	4/4/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.046	MCLG: <0.1	4/4/2017	Manganese	0.010	MCLG: <0.05
4/5/2017	Ammonia, as N	0.00	MCLG: <0.1	4/4/2017	Nitrate, as N	0.06	MCL: 10.0
Monthly Average	Color (Color Units)	0.72	MCLG: <10	4/4/2017	pH (S.U.)	7.84	Optimum: 7.8
4/19/2017	Chlorine, Free	1.37	MDRL: 4.0	4/5/2017	Potassium	1.1	MCLG: <20.0
4/4/2017	Chromium, Hexavalent	<0.002	None	4/5/2017	Silica, as SiO <sub>2</sub>	3.0	MCLG: < 30
4/4/2017	Chromium, Total	<0.002	MCL: 0.1	4/5/2017	Specific Cond. (µS/cm)	111	None
4/4/2017	Copper	<0.0025	MCL: 1.3	4/5/2017	Sulfate	11.0	MCLG: < 500
4/5/2017	Fluoride	0.75	MCL: 4.0	4/5/2017	Total Dissolved Solids	99	None
4/5/2017	Hardness, Total	24	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.05	MCL: 0.3
4/5/2017	Iron, Total	0.004	MCLG: <0.3	4/5/2017	Zinc	0.050	MCLG: < 5

Comments:

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**City of Loveland Treated Drinking Water Analysis**  
**May 2017**

Analyzed by: DB/EM/SM

*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
5/1/2017	Alkalinity	34	None	5/1/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.059	MCLG: <0.1	5/1/2017	Manganese	0.006	MCLG: <0.05
5/18/2017	Ammonia, as N	0.01	MCLG: <0.1	5/24/2017	Nitrate, as N	0.22	MCL: 10.0
Monthly Average	Color (Color Units)	0.81	MCLG: <10	5/8/2017	pH (S.U.)	8.18	Optimum: 7.8
5/24/2017	Chlorine, Free	1.17	MDRL: 4.0	5/24/2017	Potassium	1.1	MCLG: <20.0
5/1/2017	Chromium, Hexavalent	<0.002	None	5/24/2017	Silica, as SiO <sub>2</sub>	6.0	MCLG: < 30
5/1/2017	Chromium, Total	<0.002	MCL: 0.1	5/18/2017	Specific Cond. (µS/cm)	107	None
5/1/2017	Copper	<0.0025	MCL: 1.3	5/24/2017	Sulfate	20.0	MCLG: < 500
5/18/2017	Fluoride	0.63	MCL: 4.0	5/18/2017	Total Dissolved Solids	97	None
5/18/2017	Hardness, Total	20	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.05	MCL: 0.3
5/24/2017	Iron, Total	0.001	MCLG: <0.3	5/24/2017	Zinc	0.060	MCLG: < 5

Comments:

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**City of Loveland Treated Drinking Water Analysis**  
**June 2017**

Analyzed by: DB/KT/SM

*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
6/5/2017	Alkalinity	38	None	6/5/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.051	MCLG: <0.1	6/5/2017	Manganese	0.020	MCLG: <0.05
6/20/2017	Ammonia, as N	0.01	MCLG: <0.1	6/5/2017	Nitrate, as N	0.16	MCL: 10.0
Monthly Average	Color (Color Units)	0.67	MCLG: <10	6/5/2017	pH (S.U.)	8.10	Optimum: 7.8
6/20/2017	Chlorine, Free	1.37	MDRL: 4.0	6/20/2017	Potassium	0.9	MCLG: <20.0
6/5/2017	Chromium, Hexavalent	<0.002	None	6/20/2017	Silica, as SiO <sub>2</sub>	4.0	MCLG: < 30
6/5/2017	Chromium, Total	<0.002	MCL: 0.1	6/26/2017	Specific Cond. (µS/cm)	112	None
6/5/2017	Copper	<0.0025	MCL: 1.3	6/20/2017	Sulfate	11.0	MCLG: < 500
6/20/2017	Fluoride	0.70	MCL: 4.0	6/26/2017	Total Dissolved Solids	101	None
6/20/2017	Hardness, Total	18	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.05	MCL: 0.3
6/20/2017	Iron, Total	0.001	MCLG: <0.3	6/20/2017	Zinc	0.050	MCLG: < 5

Comments:

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**City of Loveland Treated Drinking Water Analysis**  
**July 2017**

Analyzed by: DB/KT/SM

*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
7/3/2017	Alkalinity	40	None	7/3/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.049	MCLG: <0.1	7/3/2017	Manganese	0.020	MCLG: <0.05
7/24/2017	Ammonia, as N	0.00	MCLG: <0.1	7/3/2017	Nitrate, as N	0.17	MCL: 10.0
Monthly Average	Color (Color Units)	0.65	MCLG: <10	7/3/2017	pH (S.U.)	8.05	Optimum: 7.8
7/26/2017	Chlorine, Free	1.47	MDRL: 4.0	7/28/2017	Potassium	0.6	MCLG: <20.0
7/3/2017	Chromium, Hexavalent	<0.002	None	7/28/2017	Silica, as SiO <sub>2</sub>	5.0	MCLG: < 30
7/3/2017	Chromium, Total	<0.002	MCL: 0.1	7/28/2017	Specific Cond. (µS/cm)	97	None
7/3/2017	Copper	<0.0025	MCL: 1.3	7/28/2017	Sulfate	8.0	MCLG: < 500
7/24/2017	Fluoride	0.67	MCL: 4.0	7/28/2017	Total Dissolved Solids	88	None
7/24/2017	Hardness, Total	20	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.06	MCL: 0.3
7/24/2017	Iron, Total	0.002	MCLG: <0.3	7/28/2017	Zinc	0.040	MCLG: < 5

Comments:

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<sup>2</sup> MCLG = Maximum Contaminant Level Goal

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**City of Loveland Treated Drinking Water Analysis**  
**August 2017**

Analyzed by: SM/EM/DB/KT  
*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
8/7/2017	Alkalinity	30	None	8/15/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.044	MCLG: <0.1	8/7/2017	Manganese	0.032	MCLG: <0.05
8/15/2017	Ammonia, as N	0.00	MCLG: <0.1	8/23/2017	Nitrate, as N	0.19	MCL: 10.0
Monthly Average	Color (Color Units)	0.48	MCLG: <10	8/7/2017	pH (S.U.)	8.13	Optimum: 7.8
8/16/2017	Chlorine, Free	1.39	MDRL: 4.0	8/30/2017	Potassium	0.7	MCLG: <20.0
8/15/2017	Chromium, Hexavalent	<0.002	None	8/30/2017	Silica, as SiO <sub>2</sub>	4.0	MCLG: < 30
8/15/2017	Chromium, Total	<0.002	MCL: 0.1	8/30/2017	Specific Cond. (µS/cm)	104	None
8/15/2017	Copper	<0.0025	MCL: 1.3	8/30/2017	Sulfate	9.0	MCLG: < 500
8/15/2017	Fluoride	0.67	MCL: 4.0	8/30/2017	Total Dissolved Solids	94	None
8/31/2017	Hardness, Total	18	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.05	MCL: 0.3
8/30/2017	Iron, Total	0.001	MCLG: <0.3	8/30/2017	Zinc	0.030	MCLG: < 5

Comments:

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**City of Loveland Treated Drinking Water Analysis**  
**September 2017**

Analyzed by: SM/DB/EM/KT  
*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
9/4/2017	Alkalinity	36	None	9/4/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.046	MCLG: <0.1	9/11/2017	Manganese	0.033	MCLG: <0.05
9/21/2017	Ammonia, as N	0.00	MCLG: <0.1	9/11/2017	Nitrate, as N	0.16	MCL: 10.0
Monthly Average	Color (Color Units)	0.71	MCLG: <10	9/4/2017	pH (S.U.)	7.82	Optimum: 7.8
9/15/2017	Chlorine, Free	1.39	MDRL: 4.0	9/29/2017	Potassium	0.7	MCLG: <20.0
9/4/2017	Chromium, Hexavalent	<0.002	None	9/29/2017	Silica, as SiO <sub>2</sub>	6.0	MCLG: < 30
9/4/2017	Chromium, Total	<0.002	MCL: 0.1	9/29/2017	Specific Cond. (µS/cm)	88	None
9/4/2017	Copper	<0.0025	MCL: 1.3	9/21/2017	Sulfate	10.0	MCLG: < 500
9/21/2017	Fluoride	0.66	MCL: 4.0	9/29/2017	Total Dissolved Solids	79	None
9/29/2017	Hardness, Total	18	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.05	MCL: 0.3
9/21/2017	Iron, Total	0.001	MCLG: <0.3	9/29/2017	Zinc	0.040	MCLG: < 5

Comments:

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**City of Loveland Treated Drinking Water Analysis**  
**October 2017**

Analyzed by: SM/DB/KT/EM  
*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
10/3/17	Alkalinity	28	None	10/3/17	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.049	MCLG: <0.1	10/4/17	Manganese	0.007	MCLG: <0.05
10/27/17	Ammonia, as N	0.00	MCLG: <0.1	10/25/17	Nitrate, as N	0.18	MCL: 10.0
Monthly Average	Color (Color Units)	1.49	MCLG: <10	10/3/17	pH (S.U.)	7.72	Optimum: 7.8
10/6/17	Chlorine, Free	1.33	MDRL: 4.0	10/31/17	Potassium	0.8	MCLG: <20.0
10/3/17	Chromium, Hexavalent	<0.002	None	10/31/17	Silica, as SiO <sub>2</sub>	6.0	MCLG: < 30
10/3/17	Chromium, Total	<0.002	MCL: 0.1	10/27/17	Specific Cond. (µS/cm)	95	None
10/3/17	Copper	<0.0025	MCL: 1.3	10/31/17	Sulfate	8.0	MCLG: < 500
10/27/17	Fluoride	0.69	MCL: 4.0	10/27/17	Total Dissolved Solids	85	None
10/27/17	Hardness, Total	20	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.06	MCL: 0.3
10/31/17	Iron, Total	0.003	MCLG: <0.3	10/31/17	Zinc	0.060	MCLG: < 5

Comments:

<sup>1</sup> MCL = Maximum Contaminant Level (mandated by the USEPA)

<sup>2</sup> MCLG = Maximum Contaminant Level Goal

<sup>3</sup> MDRL = Maximum Disinfectant Residual Level

mg/L = Milligrams/Liter = ppm = parts per million

S.U. = Standard Units

µS/cm = Micro-Siemens per centimeter = Micromhos per centimeter

NTU = Nephelometric Turbidity Units

0 = Below Detectable Limit.



**City of Loveland Treated Drinking Water Analysis**  
**November 2017**

Analyzed by: SM/LH//KT

*All units are in mg/L unless otherwise noted*

Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>	Analysis Date	Parameter	Effluent Value	MCL <sup>1</sup> MCLG <sup>2</sup> MDRL <sup>3</sup>
11/6/2017	Alkalinity	28	None	11/7/2017	Lead	<0.002	MCL: 0.015
Monthly Average	Aluminum	0.050	MCLG: <0.1	11/6/2017	Manganese	0.003	MCLG: <0.05
11/10/2017	Ammonia, as N	0.00	MCLG: <0.1	11/6/2017	Nitrate, as N	0.07	MCL: 10.0
Monthly Average	Color (Color Units)	1.09	MCLG: <10	11/9/2017	pH (S.U.)	7.62	Optimum: 7.8
11/7/2017	Chlorine, Free	1.36	MDRL: 4.0	11/10/2017	Potassium	0.8	MCLG: <20.0
11/7/2017	Chromium, Hexavalent	<0.002	None	11/10/2017	Silica, as SiO <sub>2</sub>	2.0	MCLG: < 30
11/7/2017	Chromium, Total	<0.002	MCL: 0.1	11/9/2017	Specific Cond. (µS/cm)	101	None
11/7/2017	Copper	<0.0025	MCL: 1.3	11/9/2017	Sulfate	9.0	MCLG: < 500
11/7/2017	Fluoride	0.68	MCL: 4.0	11/9/2017	Total Dissolved Solids	91	None
11/7/2017	Hardness, Total	20	None (>250 is considered hard)	Monthly Average	Turbidity (NTU)	0.06	MCL: 0.3
11/9/2017	Iron, Total	0.002	MCLG: <0.3	11/10/2017	Zinc	0.070	MCLG: < 5

Comments:

<sup>1</sup> MCL = Maximum Contaminant Level (mandated by the USEPA)

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