



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 ¹ MCLG ² MDRL ³	Detection Limit	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³
1	Alkalinity	37	None	0.002	Lead	<0.002	MCL: 0.015
0.006	Aluminum	0.050	MCLG: <0.1	0.005	Manganese	0.014	MCLG: <0.05
0.01	Ammonia, as N	0.00	MCLG: <0.1	0.01	Nitrate, as N	0.14	MCL: 10.0
0.1	Color (Color Units)	0.80	MCLG: <10	N/A	pH (S.U.)	8.00	Optimum: 7.8
0.01	Chlorine, Free	1.36	MDRL: 4.0	0.1	Potassium	0.9	MCLG: <20.0
0.001	Chromium, Hexavalent	<0.002	None	0.3	Silica, as SiO ₂	3.7	MCLG: < 30
0.003	Chromium, Total	<0.002	MCL: 0.1	1	Specific Cond. (µS/cm)	108	None
0.0014	Copper	<0.0025	MCL: 1.3	0.1	Sulfate	11.9	MCLG: < 500
0.01	Fluoride	0.68	MCL: 4.0	1	Total Dissolved Solids	97	None
1	Hardness, Total	23	None (>250 is considered hard)	0.01	Turbidity (NTU)	0.05	MCL: 0.3
0.004	Iron, Total	0.003	MCLG: <0.3	0.009	Zinc	0.036	MCLG: < 5

Comments:

¹ MCL = Maximum Contaminant Level (mandated by the USEPA)

² MCLG = Maximum Contaminant Level Goal

³ 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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Water Quality Division

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**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 ¹ MCLG ² MDRL ³	Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³
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 ₂	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

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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 ¹ MCLG ² MDRL ³	Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³
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 ₂	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

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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 ¹ MCLG ² MDRL ³	Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³
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 ₂	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

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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 ¹ MCLG ² MDRL ³	Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³
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 ₂	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

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City of Loveland Treated Drinking Water Analysis

May 2017

Analyzed by: DB/EM/SM

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Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³	Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³
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 ₂	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

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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 ¹ MCLG ² MDRL ³	Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³
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 ₂	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

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City of Loveland Treated Drinking Water Analysis

July 2017

Analyzed by: DB/KT/SM

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Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³	Analysis Date	Parameter	Effluent Value	MCL ¹ MCLG ² MDRL ³
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 ₂	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

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