

TEST RESULTS

REPORTED TO PROJECT Stettler, Town of (Alberta)
Stettler WTP - THM Upload

WORK ORDER REPORTED 9070370
2019-07-16 12:24

Analyte	Result	Guideline	RL Units	Analyzed	Qualifier
Turtle Club (9070370-01) Matrix: Water Sampled: 2019-07-03 10:55					
Calculated Parameters					
Total Trihalomethanes	0.0876	MAC = 0.1	0.00400 mg/L		N/A
Haloacetic Acids					
Monochloroacetic Acid	0.0022	N/A	0.0020 mg/L		2019-07-14
Monobromoacetic Acid	< 0.0020	N/A	0.0020 mg/L		2019-07-14
Dichloroacetic Acid	0.0326	N/A	0.0020 mg/L		2019-07-14
Trichloroacetic Acid	0.0304	N/A	0.0020 mg/L		2019-07-14
Dibromoacetic Acid	< 0.0020	N/A	0.0020 mg/L		2019-07-14
Total Haloacetic Acids (HAA5)	0.0652	MAC = 0.08	0.00200 mg/L		N/A
Surrogate: 2-Bromopropionic Acid	87		70-130 %		2019-07-14
Volatile Organic Compounds (VOC)					
Bromodichloromethane	0.0026	N/A	0.0010 mg/L		2019-07-11
Bromoform	< 0.0010	N/A	0.0010 mg/L		2019-07-11
Chloroform	0.0849	N/A	0.0010 mg/L		2019-07-11
Dibromochloromethane	< 0.0010	N/A	0.0010 mg/L		2019-07-11

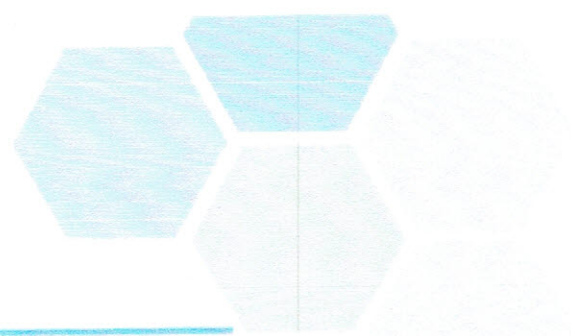


TEST RESULTS

REPORTED TO PROJECT Stettler, Town of (Alberta)
Stettler WTP - THM Upload

WORK ORDER REPORTED 9070366
2019-07-16 12:19

Analyte	Result	Guideline	RL Units	Analyzed	Qualifier
Town Shop (9070366-01) Matrix: Water Sampled: 2019-07-03 10:25					
Calculated Parameters					
Total Trihalomethanes	0.128	MAC = 0.1	0.0130 mg/L		N/A
Haloacetic Acids					
Monochloroacetic Acid	< 0.0020	N/A	0.0020 mg/L		2019-07-14
Monobromoacetic Acid	< 0.0020	N/A	0.0020 mg/L		2019-07-14
Dichloroacetic Acid	0.0376	N/A	0.0020 mg/L		2019-07-14
Trichloroacetic Acid	0.0424	N/A	0.0020 mg/L		2019-07-14
Dibromoacetic Acid	< 0.0020	N/A	0.0020 mg/L		2019-07-14
Total Haloacetic Acids (HAA5)	0.0800	MAC = 0.08	0.00200 mg/L		N/A
Surrogate: 2-Bromopropionic Acid	90		70-130 %		2019-07-14
Volatile Organic Compounds (VOC)					
Bromodichloromethane	0.0028	N/A	0.0010 mg/L		2019-07-11
Bromoform	< 0.0010	N/A	0.0010 mg/L		2019-07-11
Chloroform	0.126	N/A	0.0010 mg/L		2019-07-11
Dibromochloromethane	< 0.0010	N/A	0.0010 mg/L		2019-07-11

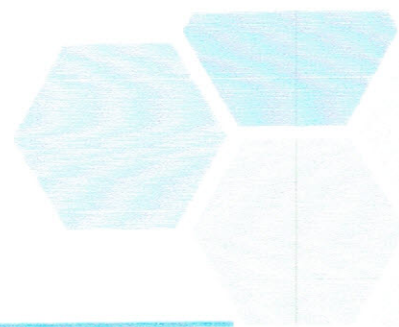


TEST RESULTS

REPORTED TO PROJECT Stettler, Town of (Alberta)
Stettler WTP

WORK ORDER REPORTED 9070390
2019-07-16 12:26

Analyte	Result	Guideline	RL Units	Analyzed	Qualifier
Treated (9070390-01) Matrix: Water Sampled: 2019-07-02 10:00					
Anions					
Fluoride	0.47	MAC = 1.5	0.10 mg/L	2019-07-09	
Calculated Parameters					
Total Trihalomethanes	0.130	MAC = 0.1	0.0130 mg/L	N/A	
General Parameters					
Carbon, Total Organic	4.62	N/A	0.50 mg/L	2019-07-08	
Haloacetic Acids					
Monochloroacetic Acid	0.0045	N/A	0.0020 mg/L	2019-07-14	
Monobromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2019-07-14	
Dichloroacetic Acid	0.0322	N/A	0.0020 mg/L	2019-07-14	
Trichloroacetic Acid	0.0393	N/A	0.0020 mg/L	2019-07-14	
Dibromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2019-07-14	
Total Haloacetic Acids (HAA5)	0.0761	MAC = 0.08	0.00200 mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	103		70-130 %	2019-07-14	
Volatile Organic Compounds (VOC)					
Bromodichloromethane	0.0031	N/A	0.0010 mg/L	2019-07-11	
Bromoform	< 0.0010	N/A	0.0010 mg/L	2019-07-11	
Chloroform	0.127	N/A	0.0010 mg/L	2019-07-11	
Dibromochloromethane	< 0.0010	N/A	0.0010 mg/L	2019-07-11	
Surrogate: Toluene-d8	97		70-130 %	2019-07-11	
Surrogate: 4-Bromofluorobenzene	101		70-130 %	2019-07-11	
Raw (9070390-02) Matrix: Water Sampled: 2019-07-02 09:50					
Anions					
Fluoride	< 0.10	MAC = 1.5	0.10 mg/L	2019-07-09	
General Parameters					
Carbon, Total Organic	6.71	N/A	0.50 mg/L	2019-07-08	
River (9070390-03) Matrix: Water Sampled: 2019-07-02 10:10					
General Parameters					
Carbon, Total Organic	7.74	N/A	0.50 mg/L	2019-07-08	

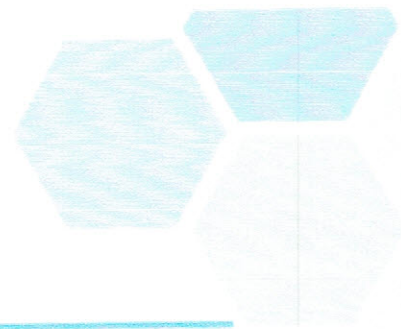


TEST RESULTS

REPORTED TO PROJECT Stettler, Town of (Alberta)
Distribution System - Biannual Analysis

WORK ORDER REPORTED 9070353
2019-07-22 19:10

Analyte	Result	Guideline	RL Units	Analyzed	Qualifier
G.T. Hydraulic (9070353-01) Matrix: Water Sampled: 2019-07-03 11:25					
Acid Herbicides					
2,4-D	< 0.00010	MAC = 0.1	0.00010 mg/L	2019-07-18	
Dicamba	< 0.00010	MAC = 0.12	0.00010 mg/L	2019-07-18	
MCPA	< 0.00020	MAC = 0.1	0.00020 mg/L	2019-07-18	
Picloram	< 0.00010	MAC = 0.19	0.00010 mg/L	2019-07-18	
Anions					
Bromate	< 0.010	MAC = 0.01	0.010 mg/L	2019-07-05	
Chlorate	< 0.50	MAC = 1	0.50 mg/L	2019-07-09	
Chloride	8.77	AO ≤ 250	0.50 mg/L	2019-07-09	
Chlorite	< 0.50	MAC = 1	0.50 mg/L	2019-07-09	
Fluoride	0.37	MAC = 1.5	0.10 mg/L	2019-07-09	
Nitrate (as N)	< 0.050	MAC = 10	0.050 mg/L	2019-07-09	HT1
Nitrite (as N)	< 0.050	MAC = 1	0.050 mg/L	2019-07-09	HT1
Sulfate	67.9	AO ≤ 500	1.0 mg/L	2019-07-09	
Calculated Parameters					
Total Trihalomethanes	0.0949	MAC = 0.1	0.00400 mg/L		N/A
Chloramines	1.27	MAC = 3	0.0200 mg/L		N/A
Hardness, Total (as CaCO ₃)	165	None Required	0.500 mg/L		N/A
Ion Balance	94.3	N/A	%		N/A
Nitrate+Nitrite (as N)	< 0.0500	N/A	0.0500 mg/L		N/A
Solids, Total Dissolved	238	AO ≤ 500	2.00 mg/L		N/A
Chlorinated Phenols					
2,4-Dichlorophenol	< 0.00020	AO ≤ 0.0003	0.00020 mg/L	2019-07-16	
2,4,6-Trichlorophenol	< 0.00050	AO ≤ 0.002	0.00050 mg/L	2019-07-16	
2,3,4,6-Tetrachlorophenol	< 0.00050	AO ≤ 0.001	0.00050 mg/L	2019-07-16	
Pentachlorophenol	< 0.00050	AO ≤ 0.03	0.00050 mg/L	2019-07-16	
Dissolved Metals					
Calcium, dissolved	43.6	N/A	0.20 mg/L	2019-07-08	
Iron, dissolved	< 0.010	N/A	0.010 mg/L	2019-07-08	
Magnesium, dissolved	13.7	N/A	0.010 mg/L	2019-07-08	
Manganese, dissolved	0.00227	N/A	0.00020 mg/L	2019-07-08	
Potassium, dissolved	2.53	N/A	0.10 mg/L	2019-07-08	
Sodium, dissolved	18.1	N/A	0.10 mg/L	2019-07-08	
General Parameters					
Alkalinity, Total (as CaCO ₃)	137	N/A	2.0 mg/L	2019-07-10	
Bicarbonate (HCO ₃)	167	N/A	2.0 mg/L	2019-07-10	
Carbonate (CO ₃)	< 2.0	N/A	2.0 mg/L	2019-07-10	
Hydroxide (OH)	< 2.0	N/A	2.0 mg/L	2019-07-10	
Ammonia, Total (as N)	0.446	None Required	0.050 mg/L	2019-07-10	
Carbon, Total Organic	4.02	N/A	0.50 mg/L	2019-07-08	

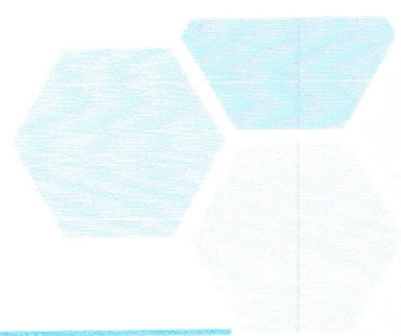


TEST RESULTS

REPORTED TO PROJECT Stettler, Town of (Alberta)
Distribution System - Biannual Analysis

WORK ORDER REPORTED 9070353
2019-07-22 19:10

Analyte	Result	Guideline	RL Units	Analyzed	Qualifier
G.T. Hydraulic (9070353-01) Matrix: Water Sampled: 2019-07-03 11:25, Continued					
General Parameters, Continued					
Chlorine, Total	1.37	None Required	0.02 mg/L	2019-07-05	HT2
Chlorine, Free	0.10	N/A	0.02 mg/L	2019-07-05	HT2
Colour, True	< 5.0	AO ≤ 15	5.0 CU	2019-07-04	
Conductivity (EC)	414	N/A	2.0 µS/cm	2019-07-08	
Cyanide, Free	< 0.0050	MAC = 0.2	0.0050 mg/L	2019-07-10	
Nitritotriacetic Acid	< 0.20	MAC = 0.4	0.20 mg/L	2019-07-09	
pH	7.61	7.0-10.5	0.10 pH units	2019-07-10	HT2
Sulfide, Total	< 0.020	AO ≤ 0.05	0.020 mg/L	2019-07-04	
Turbidity	0.14	OG < 1	0.10 NTU	2019-07-05	
Haloacetic Acids					
Monochloroacetic Acid	< 0.0020	N/A	0.0020 mg/L	2019-07-14	
Monobromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2019-07-14	
Dichloroacetic Acid	0.0343	N/A	0.0020 mg/L	2019-07-14	
Trichloroacetic Acid	0.0320	N/A	0.0020 mg/L	2019-07-14	
Dibromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2019-07-14	
Total Haloacetic Acids (HAA5)	0.0663	MAC = 0.08	0.00200 mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	91		70-130 %	2019-07-14	
Miscellaneous Herbicides					
Glyphosate	< 0.050	MAC = 0.28	0.050 mg/L	2019-07-05	
Pesticides, Herbicides, and Fungicides					
Atrazine and metabolites	< 0.000100	MAC = 0.005	0.000100 mg/L	2019-07-21	
Azinphos-methyl	< 0.000200	MAC = 0.02	0.000200 mg/L	2019-07-21	
Bromoxynil	< 0.000200	MAC = 0.005	0.000200 mg/L	2019-07-21	
Chlorpyrifos	< 0.000010	MAC = 0.09	0.000010 mg/L	2019-07-21	
Cyanazine	< 0.000100	N/A	0.000100 mg/L	2019-07-21	
Diazinon	< 0.000020	MAC = 0.02	0.000020 mg/L	2019-07-21	
Diclofop-methyl	< 0.000100	MAC = 0.009	0.000100 mg/L	2019-07-21	
Dimethoate	< 0.000200	MAC = 0.02	0.000200 mg/L	2019-07-21	
Diuron	< 0.000200	MAC = 0.15	0.000200 mg/L	2019-07-21	
Malathion	< 0.000100	MAC = 0.19	0.000100 mg/L	2019-07-21	
Methoxychlor	< 0.000050	N/A	0.000050 mg/L	2019-07-21	
Metolachlor	< 0.000100	MAC = 0.05	0.000100 mg/L	2019-07-21	
Metribuzin	< 0.000200	MAC = 0.08	0.000200 mg/L	2019-07-21	
Phorate	< 0.000100	MAC = 0.002	0.000100 mg/L	2019-07-21	
Simazine	< 0.000200	MAC = 0.01	0.000200 mg/L	2019-07-21	
Terbufos	< 0.000100	MAC = 0.001	0.000100 mg/L	2019-07-21	
Triallate	< 0.000100	N/A	0.000100 mg/L	2019-07-21	
Trifluralin	< 0.000200	MAC = 0.045	0.000200 mg/L	2019-07-21	
Polycyclic Aromatic Hydrocarbons (PAH)					
Benzo(a)pyrene	< 0.010	MAC = 0.04	0.010 µg/L	2019-07-11	



TEST RESULTS

REPORTED TO PROJECT Stettler, Town of (Alberta)
Distribution System - Biannual Analysis

WORK ORDER REPORTED 9070353
2019-07-22 19:10

Analyte	Result	Guideline	RL Units	Analyzed	Qualifier
G.T. Hydraulic (9070353-01) Matrix: Water Sampled: 2019-07-03 11:25, Continued					
Total Metals					
Aluminum, total	0.0606	OG < 0.1	0.0050 mg/L	2019-07-10	
Antimony, total	< 0.00020	MAC = 0.006	0.00020 mg/L	2019-07-10	
Arsenic, total	0.00056	MAC = 0.01	0.00050 mg/L	2019-07-10	
Barium, total	0.0962	MAC = 1	0.0050 mg/L	2019-07-10	
Boron, total	0.0203	MAC = 5	0.0050 mg/L	2019-07-10	
Cadmium, total	< 0.010	MAC = 5	0.010 µg/L	2019-07-10	
Calcium, total	46.4	None Required	0.20 mg/L	2019-07-10	
Chromium, total	< 0.00050	MAC = 0.05	0.00050 mg/L	2019-07-10	
Copper, total	0.00779	MAC = 2	0.00040 mg/L	2019-07-10	
Iron, total	< 0.010	AO ≤ 0.3	0.010 mg/L	2019-07-10	
Lead, total	< 0.00020	MAC = 0.005	0.00020 mg/L	2019-07-10	
Magnesium, total	15.3	None Required	0.010 mg/L	2019-07-10	
Manganese, total	0.00845	MAC = 0.12	0.00020 mg/L	2019-07-10	
Mercury, total	< 0.010	MAC = 1	0.010 µg/L	2019-07-08	
Selenium, total	< 0.00050	MAC = 0.05	0.00050 mg/L	2019-07-10	
Silicon, total	1.2	N/A	1.0 mg/L	2019-07-10	
Silver, total	< 0.050	N/A	0.050 µg/L	2019-07-10	
Sodium, total	19.9	AO ≤ 200	0.10 mg/L	2019-07-10	
Uranium, total	0.322	MAC = 20	0.020 µg/L	2019-07-10	
Zinc, total	< 0.0040	AO ≤ 5	0.0040 mg/L	2019-07-10	
Volatile Organic Compounds (VOC)					
Benzene	< 0.0005	MAC = 0.005	0.0005 mg/L	2019-07-09	S03
Bromodichloromethane	0.0057	N/A	0.0010 mg/L	2019-07-09	
Bromoform	0.0135	N/A	0.0010 mg/L	2019-07-09	
Carbon tetrachloride	< 0.0005	MAC = 0.002	0.0005 mg/L	2019-07-09	
Monochlorobenzene	< 0.0010	AO ≤ 0.03	0.0010 mg/L	2019-07-09	
Chloroform	0.0711	N/A	0.0010 mg/L	2019-07-09	
Dibromochloromethane	0.0046	N/A	0.0010 mg/L	2019-07-09	
1,2-Dichlorobenzene	< 0.0005	AO ≤ 0.003	0.0005 mg/L	2019-07-09	
1,4-Dichlorobenzene	< 0.0010	AO ≤ 0.001	0.0010 mg/L	2019-07-09	
1,2-Dichloroethane	< 0.0010	MAC = 0.005	0.0010 mg/L	2019-07-09	
1,1-Dichloroethylene	< 0.0010	MAC = 0.014	0.0010 mg/L	2019-07-09	
Dichloromethane	< 0.0030	MAC = 0.05	0.0030 mg/L	2019-07-09	
Ethylbenzene	< 0.0010	AO ≤ 0.0016	0.0010 mg/L	2019-07-09	
Methyl tert-butyl ether	< 0.0010	AO ≤ 0.015	0.0010 mg/L	2019-07-09	
Tetrachloroethylene	< 0.0010	MAC = 0.01	0.0010 mg/L	2019-07-09	
Toluene	< 0.0010	AO ≤ 0.024	0.0010 mg/L	2019-07-09	
Trichloroethylene	< 0.0010	MAC = 0.005	0.0010 mg/L	2019-07-09	
Vinyl chloride	< 0.0010	MAC = 0.002	0.0010 mg/L	2019-07-09	
Xylenes (total)	< 0.0020	AO ≤ 0.02	0.0020 mg/L	2019-07-09	