



CERTIFICATE OF ANALYSIS

REPORTED TO Stettler, Town of (Alberta)

You know that the sample you collected after

snowshoeing to site, digging 5 meters, and

racing to get it on a plane so you can submit it

to the lab for time sensitive results needed to

make important and expensive

(whew) is VERY important. We know that too.

5031 - 50 Street Stettler, AB T0C 2L0

ATTENTION Chris Saunders WORK ORDER 21A0361

PROJECTDistribution System - Biannual AnalysisREPORTED2021-01-21 15:58PROJECT INFOCOC NUMBERNo Number

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks

We've Got Chemistry

It's simple. We figure the more you enjoy working with our fun and engaged team members; the more likely you are to give us continued opportunities to support you.

Ahead of the Curve

Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

If you have any questions or concerns, please contact me at acrump@caro.ca

decisions

Authorized By:

Alana Crump Team Lead, Client Service HECT



REPORTED TO	Stettler, Town of (Alberta)	WORK ORDER	21A0361
PROJECT	Distribution System - Biannual Analysis	REPORTED	2021-01-21 15:58

Analyte	Result	Guideline	RL	Units	Analyzed	Qualif
GT Hydraulics (21A0361-01) Matrix	: Water Sampled: 202	21-01-06 11:50				
Acid Herbicides						
2,4-D	< 0.10	MAC = 100	0.10	μg/L	2021-01-19	
MCPA	< 0.02	MAC = 100	0.02	μg/L	2021-01-19	
2,4,5-T	< 0.10	N/A	0.10	μg/L	2021-01-19	
Dicamba	< 0.10	MAC = 120	0.10	μg/L	2021-01-19	
Picloram	< 0.10	MAC = 190	0.10	μg/L	2021-01-19	
Dinoseb	< 0.10	N/A	0.10	μg/L	2021-01-19	
Anions						
Bromate	< 0.010	MAC = 0.01	0.010	mg/L	2021-01-12	
Chloride	11.2	AO ≤ 250	0.50	mg/L	2021-01-07	
Fluoride	0.67	MAC = 1.5		mg/L	2021-01-07	
Nitrate (as N)	0.405	MAC = 10	0.050	mg/L	2021-01-07	
Nitrite (as N)	< 0.050	MAC = 1	0.050	mg/L	2021-01-07	
Sulfate	66.8	AO ≤ 500	1.0	mg/L	2021-01-07	
Calculated Parameters						
Chloramines	1.36	MAC = 3	0.0400	mg/L	N/A	
Total Trihalomethanes	0.0429	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	274	None Required	0.541		N/A	
Solids, Total Dissolved	330	AO ≤ 500		mg/L	N/A	
Chlorinated Phenols						
2,4-Dichlorophenol	< 0.00020	AO ≤ 0.0003	0.00020	mg/L	2021-01-13	
2,4,6-Trichlorophenol	< 0.00050	AO ≤ 0.002	0.00050	mg/L	2021-01-13	
2,3,4,6-Tetrachlorophenol	< 0.00050	AO ≤ 0.001	0.00050		2021-01-13	
Pentachlorophenol	< 0.00050	AO ≤ 0.03	0.00050		2021-01-13	
General Parameters						
Alkalinity, Total (as CaCO3)	215	N/A	2.0	mg/L	2021-01-13	
Bicarbonate (HCO3)	262	N/A	2.0	mg/L	2021-01-13	
Carbonate (CO3)	< 2.0	N/A	2.0	mg/L	2021-01-13	
Hydroxide (OH)	< 2.0	N/A		mg/L	2021-01-13	
Ammonia, Total (as N)	0.449	None Required	0.050		2021-01-08	
Carbon, Total Organic	3.21	N/A		mg/L	2021-01-11	
Chlorine, Total	1.44	None Required		mg/L	2021-01-08	HT2
Chlorine, Free	0.08	N/A		mg/L	2021-01-08	HT2
Colour, True	< 5.0	AO ≤ 15	5.0		2021-01-09	
Conductivity (EC)	536	N/A	2.0		2021-01-08	
Cyanide, Total	< 0.0020	MAC = 0.2	0.0020	-	2021-01-11	
Nitrilotriacetic Acid	< 0.20	MAC = 0.4		mg/L	2021-01-09	
pH	7.67	7.0-10.5		pH units	2021-01-13	HT2
Sulfide, Total	< 0.020	AO ≤ 0.05	0.020	·	2021-01-08	
Turbidity	< 0.10	OG < 1		NTU	2021-01-07	



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Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
GT Hydraulics (21A0361-01) Matrix: Wa	ter Sampled: 202	21-01-06 11:50, Con	ntinued			
Haloacetic Acids, Continued						
Monochloroacetic Acid	< 0.0020	N/A	0.0020	mg/L	2021-01-16	
Monobromoacetic Acid	< 0.0020	N/A	0.0020		2021-01-16	
Dichloroacetic Acid	0.0133	N/A	0.0020		2021-01-16	
Trichloroacetic Acid	0.0128	N/A	0.0020		2021-01-16	
Dibromoacetic Acid	< 0.0020	N/A	0.0020		2021-01-16	
Total Haloacetic Acids (HAA5)	0.0261	MAC = 0.08	0.00200		N/A	
Surrogate: 2-Bromopropionic Acid	100		70-130		2021-01-16	
Microbiological Parameters						
Microcystin, total	< 0.00014	MAC = 0.0015	0.00014	mg/L	2021-01-15	
Miscellaneous Herbicides						
Glyphosate	< 0.050	MAC = 0.28	0.050	mg/L	2021-01-13	
Pesticides, Herbicides, and Fungicides						
Atrazine and metabolites	< 0.000100	MAC = 0.005	0.000100	mg/L	2021-01-17	
Azinphos-methyl	< 0.000200	MAC = 0.02	0.000200		2021-01-17	
Bromoxynil	< 0.000200	MAC = 0.005	0.000200		2021-01-17	
Chlorpyrifos	< 0.000010	MAC = 0.09	0.000010		2021-01-17	
Cyanazine	< 0.000100	N/A	0.000100		2021-01-17	
Diazinon	< 0.000020	MAC = 0.02	0.000020		2021-01-17	
Diclofop-methyl	< 0.000100	MAC = 0.009	0.000100		2021-01-17	
Dimethoate	< 0.000200	MAC = 0.02	0.000200		2021-01-17	
Diuron	< 0.000200	MAC = 0.15	0.000200		2021-01-17	
Malathion	< 0.000100	MAC = 0.19	0.000100		2021-01-17	
Methoxychlor	< 0.000050	N/A	0.000050		2021-01-17	
Metolachlor	< 0.000100	MAC = 0.05	0.000100		2021-01-17	
Metribuzin	< 0.000200	MAC = 0.08	0.000200		2021-01-17	
Phorate	< 0.000100	MAC = 0.002	0.000100		2021-01-17	
Simazine	< 0.000200	MAC = 0.01	0.000200		2021-01-17	
Terbufos	< 0.000100	MAC = 0.001	0.000100		2021-01-17	
Triallate	< 0.000100	N/A	0.000100		2021-01-17	
Trifluralin	< 0.000200	MAC = 0.045	0.000200		2021-01-17	
Polycyclic Aromatic Hydrocarbons (PAH)						
Benzo(a)pyrene	< 0.010	MAC = 0.04	0.010	μg/L	2021-01-10	
Total Metals						
Aluminum, total	0.0301	OG < 0.1	0.0050	mg/L	2021-01-08	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2021-01-08	
Arsenic, total	0.00052	MAC = 0.01	0.00050	mg/L	2021-01-08	
Barium, total	0.0976	MAC = 2	0.0050	mg/L	2021-01-08	
Boron, total	< 0.0500	MAC = 5	0.0500		2021-01-08	
Cadmium, total	< 0.010	MAC = 5	0.010		2021-01-08	
Calcium, total	69.5	None Required		mg/L	2021-01-08	
	Carrina Al	bout Results. Obvid				Page 3 of



REPORTED TOStettler, Town of (Alberta)WORK ORDER21A0361PROJECTDistribution System - Biannual AnalysisREPORTED2021-01-21 15:58

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
GT Hydraulics (21A0361-01) Mati	rix: Water Sampled: 20	21-01-06 11:50, Con	tinued			
Total Metals, Continued						
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2021-01-08	
Copper, total	0.00625	MAC = 2	0.00040	mg/L	2021-01-08	
Iron, total	< 0.010	AO ≤ 0.3	0.010	mg/L	2021-01-08	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2021-01-08	
Magnesium, total	24.3	None Required	0.010		2021-01-08	
Manganese, total	0.00194	MAC = 0.12	0.00020		2021-01-08	
Mercury, total	< 0.010	MAC = 1	0.010	μg/L	2021-01-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2021-01-08	
Silver, total	< 0.050	N/A	0.050	μg/L	2021-01-08	
Sodium, total	23.2	AO ≤ 200		mg/L	2021-01-08	
Uranium, total	0.917	MAC = 20	0.020	μg/L	2021-01-08	
Zinc, total	0.0040	AO ≤ 5	0.0040	mg/L	2021-01-08	
Volatile Organic Compounds (VOC)						S03
Benzene	< 0.0005	MAC = 0.005	0.0005	mg/L	2021-01-12	
Bromodichloromethane	0.0050	N/A	0.0010	mg/L	2021-01-12	
Bromoform	0.0122	N/A	0.0010	mg/L	2021-01-12	
Carbon tetrachloride	< 0.0005	MAC = 0.002	0.0005	mg/L	2021-01-12	
Monochlorobenzene	< 0.0010	AO ≤ 0.03	0.0010	mg/L	2021-01-12	
Chloroform	0.0219	N/A	0.0010	mg/L	2021-01-12	
Dibromochloromethane	0.0038	N/A	0.0010	mg/L	2021-01-12	
1,2-Dichlorobenzene	< 0.0005	AO ≤ 0.003	0.0005	mg/L	2021-01-12	
1,4-Dichlorobenzene	< 0.0010	AO ≤ 0.001	0.0010	mg/L	2021-01-12	
1,2-Dichloroethane	< 0.0010	MAC = 0.005	0.0010	mg/L	2021-01-12	
1,1-Dichloroethylene	< 0.0010	MAC = 0.014	0.0010	mg/L	2021-01-12	
Dichloromethane	< 0.0030	MAC = 0.05	0.0030	mg/L	2021-01-12	
Ethylbenzene	< 0.0010	AO ≤ 0.0016	0.0010	mg/L	2021-01-12	
Methyl tert-butyl ether	< 0.0010	AO ≤ 0.015	0.0010	mg/L	2021-01-12	
Tetrachloroethylene	< 0.0010	MAC = 0.01	0.0010	mg/L	2021-01-12	
Toluene	< 0.0010	AO ≤ 0.024	0.0010		2021-01-12	
Trichloroethylene	< 0.0010	MAC = 0.005	0.0010	mg/L	2021-01-12	
Vinyl chloride	< 0.0010	MAC = 0.002	0.0010		2021-01-12	
Xylenes (total)	< 0.0020	AO ≤ 0.02	0.0020		2021-01-12	

Town Shop (21A0361-02) | Matrix: Water | Sampled: 2021-01-06 11:21

Calculated Parameters					
Total Trihalomethanes	0.0308	MAC = 0.1	0.00400 mg/L	N/A	
Haloacetic Acids					
Monochloroacetic Acid	< 0.0020	N/A	0.0020 mg/L	2021-01-16	
Monobromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2021-01-16	
Dichloroacetic Acid	0.0099	N/A	0.0020 mg/L	2021-01-16	



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PROJECT	Distribution System - Riannual Analysis	REPORTED	2021-01-21 15:58

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
Town Shop (21A0361-02) Matrix: Wate	r Sampled: 2021-0	1-06 11:21, Contin	ued			
Haloacetic Acids, Continued						
Trichloroacetic Acid	0.0117	N/A	0.0020	mg/L	2021-01-16	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2021-01-16	
Total Haloacetic Acids (HAA5)	0.0215	MAC = 0.08	0.00200	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	105		70-130	%	2021-01-16	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	0.0034	N/A	0.0010	mg/L	2021-01-12	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2021-01-12	
Chloroform	0.0273	N/A	0.0010	mg/L	2021-01-12	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2021-01-12	
Surrogate: Toluene-d8	86		70-130	%	2021-01-12	
Surrogate: 4-Bromofluorobenzene	79		70-130	%	2021-01-12	
, , ,	r Sampled: 2021-0	1-06 11:35				
Turtle Club (21A0361-03) Matrix: Water Calculated Parameters Total Trihalomethanes	r Sampled: 2021-0 0.0286	1-06 11:35 MAC = 0.1	0.00400	mg/L	N/A	
Calculated Parameters Total Trihalomethanes			0.00400	mg/L	N/A	
Calculated Parameters Total Trihalomethanes			0.00400		N/A 2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids	0.0286	MAC = 0.1		mg/L	· · · · · · · · · · · · · · · · · · ·	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid	0.0286	MAC = 0.1 N/A	0.0020	mg/L mg/L	2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid	0.0286 < 0.0020 < 0.0020	MAC = 0.1 N/A N/A	0.0020 0.0020	mg/L mg/L mg/L	2021-01-16 2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid	0.0286 < 0.0020 < 0.0020 0.0118	MAC = 0.1 N/A N/A N/A N/A	0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L	2021-01-16 2021-01-16 2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid	0.0286 < 0.0020 < 0.0020 0.0118 0.0126	MAC = 0.1 N/A N/A N/A N/A N/A	0.0020 0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L	2021-01-16 2021-01-16 2021-01-16 2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid	0.0286 < 0.0020 < 0.0020 0.0118 0.0126 < 0.0020	MAC = 0.1 N/A N/A N/A N/A N/A N/A N/A	0.0020 0.0020 0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L	2021-01-16 2021-01-16 2021-01-16 2021-01-16 2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid Total Haloacetic Acids (HAA5) Surrogate: 2-Bromopropionic Acid	0.0286 < 0.0020 < 0.0020 0.0118 0.0126 < 0.0020 0.0244	MAC = 0.1 N/A N/A N/A N/A N/A N/A N/A	0.0020 0.0020 0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L	2021-01-16 2021-01-16 2021-01-16 2021-01-16 2021-01-16 N/A	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid Total Haloacetic Acids (HAA5) Surrogate: 2-Bromopropionic Acid	0.0286 < 0.0020 < 0.0020 0.0118 0.0126 < 0.0020 0.0244	MAC = 0.1 N/A N/A N/A N/A N/A N/A N/A	0.0020 0.0020 0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L %	2021-01-16 2021-01-16 2021-01-16 2021-01-16 2021-01-16 N/A	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid Dibromoacetic Acid Total Haloacetic Acids (HAA5) Surrogate: 2-Bromopropionic Acid Volatile Organic Compounds (VOC)	0.0286 < 0.0020 < 0.0020 0.0118 0.0126 < 0.0020 0.0244 106	MAC = 0.1 N/A N/A N/A N/A N/A N/A MAC = 0.08	0.0020 0.0020 0.0020 0.0020 0.0020 0.00200 70-130	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-01-16 2021-01-16 2021-01-16 2021-01-16 2021-01-16 N/A 2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid Dibromoacetic Acid Total Haloacetic Acids (HAA5) Surrogate: 2-Bromopropionic Acid Volatile Organic Compounds (VOC) Bromodichloromethane	0.0286 < 0.0020 < 0.0020 0.0118 0.0126 < 0.0020 0.0244 106	MAC = 0.1 N/A N/A N/A N/A N/A MAC = 0.08	0.0020 0.0020 0.0020 0.0020 0.0020 70-130	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-01-16 2021-01-16 2021-01-16 2021-01-16 2021-01-16 N/A 2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid Total Haloacetic Acids (HAA5) Surrogate: 2-Bromopropionic Acid Volatile Organic Compounds (VOC) Bromodichloromethane Bromoform	0.0286 < 0.0020 < 0.0020 0.0118 0.0126 < 0.0020 0.0244 106 0.0033 < 0.0010	MAC = 0.1 N/A N/A N/A N/A N/A MAC = 0.08	0.0020 0.0020 0.0020 0.0020 0.0020 70-130 0.0010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-01-16 2021-01-16 2021-01-16 2021-01-16 2021-01-16 N/A 2021-01-16	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid Total Haloacetic Acids (HAA5) Surrogate: 2-Bromopropionic Acid Volatile Organic Compounds (VOC) Bromodichloromethane Bromoform Chloroform	0.0286 < 0.0020 < 0.0020 0.0118 0.0126 < 0.0020 0.0244 106 0.0033 < 0.0010 0.0253	MAC = 0.1 N/A N/A N/A N/A N/A MAC = 0.08 N/A N/A N/A N/A	0.0020 0.0020 0.0020 0.0020 0.0020 70-130 0.0010 0.0010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-01-16 2021-01-16 2021-01-16 2021-01-16 2021-01-16 N/A 2021-01-16	

Sample Qualifiers:

HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended

S03 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Stettler, Town of (Alberta)

PROJECT Distribution System - Biannual Analysis

WORK ORDER

21A0361

REPORTED 2021-01-21 15:58

Analysis Description	Method Ref.	Technique	Accredited	Location
Acid Herbicides in Water in Water	In-House	N/A		Richmond
Alkalinity in Water	SM 2320 B* (2017)	Titration with H2SO4	✓	Edmontor
Ammonia, Total in Water	SM 4500-NH3 D* (2017)	Ion Selective Electrode	✓	Edmontor
Anions in Water	SM 4110 B (2017)	Ion Chromatography	✓	Edmontor
Bromate in Water	SM 4110 B (2017)	Ion Chromatography		Sublet
Carbon, Total Organic in Water	SM 5310 B (2017)	Combustion, Infrared CO2 Detection	✓	Kelowna
Chlorine, Free in Water	SM 4500-Cl G (2017)	Colorimetry (DPD)		Edmontor
Chlorine, Total in Water	SM 4500-Cl G (2017)	Colorimetry (DPD)		Edmontor
Colour, True in Water	SM 2120 C (2017)	Spectrophotometry (456 nm)		Edmontor
Conductivity in Water	SM 2510 B (2017)	Conductivity Meter	✓	Edmontor
Cyanide, SAD in Water	ASTM D7511-12	Flow Injection with In-Line UV Digestion and Amperomet	ry ✓	Kelowna
Cyanobacterial Toxins in Water	EPA 546*	Adda Enzyme-Linked Immunosorbent Assay (ELISA)		Sublet
Glyphosate in Water	EPA 547*	Direct Aqueous Injection HPLC with Post-Column Derivatization and Fluorescence Detection	✓	Richmond
Haloacetic Acids in Water	EPA 552.3*	Liquid-Liquid Microextraction, Derivatization and GC-EC	D 🗸	Richmond
Hardness in Water	SM 2340 B (2017)	Calculation: 2.497 [diss Ca] + 4.118 [diss Mg]	✓	N/A
Mercury, total in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	✓	Richmond
Nitrilotriacetic Acid in Water	EPA 430.1	Manual Colorimetry (Zinc-Zincon)		Kelowna
Pesticides in Water	EPA 3510C* / EPA 8270D*	Liquid-Liquid DCM Extraction (B/N) / GC-MSD (SIM)	✓	Richmond
pH in Water	SM 4500-H+ B (2017)	Electrometry	✓	Edmontor
Phenols, Chlorinated in Water	EPA 3510C* / EPA 8270D	Liquid-Liquid DCM Extraction (Acidic) / GC-MSD (SIM)	✓	Richmond
Polycyclic Aromatic Hydrocarbons in Water	EPA 3511* / EPA 8270D	Hexane MicroExtraction (Base/Neutral) / GC-MSD (SIM)	✓	Richmond
Solids, Total Dissolved in Water	SM 1030 E (2017)	SM 1030 E (2011)		N/A
Sulfide, Total in Water	SM 4500-S2 D* (2017)	Colorimetry (Methylene Blue)	✓	Edmontor
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
Trihalomethanes in Water	EPA 5030B / EPA 8260D	Purge&Trap / GC-MSD (SIM)	✓	Richmond
Turbidity in Water	SM 2130 B (2017)	Nephelometry	✓	Edmontor
Volatile Organic Compounds in Water	EPA 5030B / EPA 8260D	Purge&Trap / GC-MSD (SIM)	✓	Richmond



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Stettler, Town of (Alberta) WORK ORDER

PROJECT Distribution System - Biannual Analysis REPORTED 2021-01-21 15:58

Glossary of Terms:

RL Reporting Limit (default)

Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors

AO Aesthetic Objective

CU Colour Units (referenced against a platinum cobalt standard)

MAC Maximum Acceptable Concentration (health based)

mg/L Milligrams per litre

NTU Nephelometric Turbidity Units
OG Operational Guideline (treated water)

pH units pH < 7 = acidic, ph > 7 = basic

μg/L Micrograms per litre

µS/cm Microsiemens per centimetre
ASTM ASTM International Test Methods

EPA United States Environmental Protection Agency Test Methods

SM Standard Methods for the Examination of Water and Wastewater, American Public Health Association

General Comments:

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