



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 decisions

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

5031 - 50 Street Stettler, AB T0C 2L0

ATTENTION Chris Saunders WORK ORDER 22A1125

PO NUMBER RECEIVED / TEMP 2022-01-13 09:00 / 10.5°C PROJECT Distribution System - Biannual Analysis REPORTED 2022-01-24 16:01

PROJECT INFO COC NUMBER No 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 rpshyk@caro.ca

Authorized By:

Regan Pshyk Junior Account Manager

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REPORTED TO	Stettler, Town of (Alberta)	WORK ORDER	22A1125
PROJECT	Distribution System - Biannual Analysis	REPORTED	2022-01-24 16:01

Analyte	Result	Guideline	RL	Units	Analyzed	Qualif
GT Hydraulic (22A1125-01) Matrix:	Water Sampled: 2022	2-01-12 11:35				
Acid Herbicides						
2,4-D	< 0.10	MAC = 100	0.10	μg/L	2022-01-19	
MCPA	< 0.02	MAC = 100	0.02		2022-01-19	
2,4,5-T	< 0.10	N/A	0.10	μg/L	2022-01-19	
Dicamba	< 1.00	MAC = 120		μg/L	2022-01-19	RS ²
Picloram	< 0.10	MAC = 190	0.10	μg/L	2022-01-19	
Dinoseb	< 0.10	N/A		μg/L	2022-01-19	
Anions						
Bromate	< 0.010	MAC = 0.01	0.010	mg/L	2022-01-20	
Chloride	8.98	AO ≤ 250	0.50	mg/L	2022-01-14	
Fluoride	0.77	MAC = 1.5	0.10	mg/L	2022-01-14	
Nitrate (as N)	0.343	MAC = 10	0.050	mg/L	2022-01-14	
Nitrite (as N)	< 0.050	MAC = 1	0.050	mg/L	2022-01-14	
Sulfate	71.2	AO ≤ 500	1.0	mg/L	2022-01-14	
Calculated Parameters						
Chloramines	1.42	MAC = 3	0.0400	mg/L	N/A	
Total Trihalomethanes	0.0232	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	234	None Required	0.541	mg/L	N/A	
Solids, Total Dissolved	299	AO ≤ 500	3.35	mg/L	N/A	
Chlorinated Phenols						
2,4-Dichlorophenol	< 0.00020	AO ≤ 0.0003	0.00020	mg/L	2022-01-19	
2,4,6-Trichlorophenol	< 0.00050	AO ≤ 0.002	0.00050	mg/L	2022-01-19	
2,3,4,6-Tetrachlorophenol	< 0.00050	AO ≤ 0.001	0.00050	mg/L	2022-01-19	
Pentachlorophenol	< 0.00050	AO ≤ 0.03	0.00050	mg/L	2022-01-19	
General Parameters						
Alkalinity, Total (as CaCO3)	193	N/A	2.0	mg/L	2022-01-18	
Bicarbonate (HCO3)	236	N/A	2.0	mg/L	2022-01-18	
Carbonate (CO3)	< 2.0	N/A	2.0	mg/L	2022-01-18	
Hydroxide (OH)	< 2.0	N/A	2.0	mg/L	2022-01-18	
Ammonia, Total (as N)	0.518	None Required	0.050		2022-01-18	
Carbon, Total Organic	1.90	N/A	0.50	mg/L	2022-01-14	
Chlorine, Total	1.54	None Required	0.02	mg/L	2022-01-14	HT:
Chlorine, Free	0.12	N/A	0.02	mg/L	2022-01-14	HT
Colour, True	< 5.0	AO ≤ 15		CU	2022-01-14	
Conductivity (EC)	513	N/A	2.0	μS/cm	2022-01-19	
Cyanide, Total	< 0.0020	MAC = 0.2	0.0020	mg/L	2022-01-15	
Nitrilotriacetic Acid	< 0.20	MAC = 0.4		mg/L	2022-01-18	
рН	7.28	7.0-10.5	0.10	pH units	2022-01-18	HT2
Sulfide, Total	< 0.020	AO ≤ 0.05	0.020		2022-01-14	
Turbidity	0.11	OG < 1		NTU	2022-01-14	



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Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
GT Hydraulic (22A1125-01) Matrix: Wate	r Sampled: 2022	2-01-12 11:35, Conti	inued			
Haloacetic Acids, Continued						
Monochloroacetic Acid	< 0.0020	N/A	0.0020	mg/L	2022-01-21	
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2022-01-21	
Dichloroacetic Acid	0.0110	N/A	0.0020	mg/L	2022-01-21	
Trichloroacetic Acid	0.0134	N/A	0.0020	mg/L	2022-01-21	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2022-01-21	
Total Haloacetic Acids (HAA5)	0.0245	MAC = 0.08	0.00200	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	108		70-130	%	2022-01-21	
Miscellaneous Herbicides						
Glyphosate	< 0.050	MAC = 0.28	0.050	mg/L	2022-01-19	
Pesticides, Herbicides, and Fungicides						
Atrazine and metabolites	< 0.000100	MAC = 0.005	0.000100	mg/L	2022-01-21	CST2
Azinphos-methyl	< 0.000200	MAC = 0.02	0.000200	mg/L	2022-01-21	
Bromoxynil	< 0.000200	MAC = 0.005	0.000200	mg/L	2022-01-21	
Chlorpyrifos	< 0.000010	MAC = 0.09	0.000010	mg/L	2022-01-21	
Cyanazine	< 0.000100	N/A	0.000100	mg/L	2022-01-21	CST2
Diazinon	< 0.000020	MAC = 0.02	0.000020	mg/L	2022-01-21	
Diclofop-methyl	< 0.000100	MAC = 0.009	0.000100	mg/L	2022-01-21	
Dimethoate	< 0.000200	MAC = 0.02	0.000200	mg/L	2022-01-21	
Diuron	< 0.000200	MAC = 0.15	0.000200	mg/L	2022-01-21	
Malathion	< 0.000100	MAC = 0.19	0.000100	mg/L	2022-01-21	
Methoxychlor	< 0.000050	N/A	0.000050	mg/L	2022-01-21	
Metolachlor	< 0.000100	MAC = 0.05	0.000100	mg/L	2022-01-21	
Metribuzin	< 0.000200	MAC = 0.08	0.000200	mg/L	2022-01-21	CST2
Phorate	< 0.000100	MAC = 0.002	0.000100	mg/L	2022-01-21	
Simazine	< 0.000200	MAC = 0.01	0.000200	mg/L	2022-01-21	CST2
Terbufos	< 0.000100	MAC = 0.001	0.000100	mg/L	2022-01-21	
Triallate	< 0.000100	N/A	0.000100	mg/L	2022-01-21	
Trifluralin	< 0.000200	MAC = 0.045	0.000200	mg/L	2022-01-21	
Polycyclic Aromatic Hydrocarbons (PAH)						
Benzo(a)pyrene	< 0.010	MAC = 0.04	0.010	μg/L	2022-01-20	
Total Metals						
Aluminum, total	0.0339	OG < 0.1	0.0050	mg/L	2022-01-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2022-01-19	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2022-01-19	
Barium, total	0.0893	MAC = 2	0.0050	mg/L	2022-01-19	
Boron, total	< 0.0500	MAC = 5	0.0500		2022-01-19	
Cadmium, total	< 0.010	MAC = 5	0.010		2022-01-19	
Calcium, total	59.9	None Required	0.20	mg/L	2022-01-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2022-01-19	
Copper, total	0.00901	MAC = 2	0.00040		2022-01-19	



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DPO IECT	Distribution System - Riannual Analysis	DED∩DTEN	2022-01-24 16:01

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
GT Hydraulic (22A1125-01) Matrix	k: Water Sampled: 2022	2-01-12 11:35, Conti	nued			
Total Metals, Continued						
Iron, total	< 0.010	AO ≤ 0.3	0.010	mg/L	2022-01-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2022-01-19	
Magnesium, total	20.5	None Required	0.010	mg/L	2022-01-19	
Manganese, total	0.00599	MAC = 0.12	0.00020	mg/L	2022-01-19	
Mercury, total	< 0.010	MAC = 1	0.010	μg/L	2022-01-16	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2022-01-19	
Silver, total	< 0.050	N/A	0.050	μg/L	2022-01-19	
Sodium, total	17.0	AO ≤ 200	0.10	mg/L	2022-01-19	
Uranium, total	0.686	MAC = 20	0.020	μg/L	2022-01-19	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2022-01-19	
/olatile Organic Compounds (VOC)						S03
Benzene	< 0.0005	MAC = 0.005	0.0005	mg/L	2022-01-23	
Bromodichloromethane	0.0030	N/A	0.0010	mg/L	2022-01-23	
Bromoform	0.0051	N/A	0.0010	mg/L	2022-01-23	
Carbon tetrachloride	< 0.0005	MAC = 0.002	0.0005	mg/L	2022-01-23	
Monochlorobenzene	< 0.0010	AO ≤ 0.03	0.0010	mg/L	2022-01-23	
Chloroform	0.0136	N/A	0.0010	mg/L	2022-01-23	
Dibromochloromethane	0.0015	N/A	0.0010	mg/L	2022-01-23	
1,2-Dichlorobenzene	< 0.0005	AO ≤ 0.003	0.0005	mg/L	2022-01-23	
1,4-Dichlorobenzene	< 0.0010	AO ≤ 0.001	0.0010	mg/L	2022-01-23	
1,2-Dichloroethane	< 0.0010	MAC = 0.005	0.0010	mg/L	2022-01-23	
1,1-Dichloroethylene	< 0.0010	MAC = 0.014	0.0010	mg/L	2022-01-23	
Dichloromethane	< 0.0030	MAC = 0.05	0.0030	mg/L	2022-01-23	
Ethylbenzene	< 0.0010	AO ≤ 0.0016	0.0010	mg/L	2022-01-23	
Methyl tert-butyl ether	< 0.0010	AO ≤ 0.015	0.0010	mg/L	2022-01-23	
Tetrachloroethylene	< 0.0010	MAC = 0.01	0.0010	mg/L	2022-01-23	
Toluene	< 0.0010	MAC = 0.06	0.0010	mg/L	2022-01-23	
Trichloroethylene	< 0.0010	MAC = 0.005	0.0010	mg/L	2022-01-23	
Vinyl chloride	< 0.0010	MAC = 0.002	0.0010		2022-01-23	
Xylenes (total)	< 0.0020	AO ≤ 0.02	0.0020		2022-01-23	

Town Shop (22A1125-02) | Matrix: Water | Sampled: 2022-01-12 11:02

Calculated Parameters				
Total Trihalomethanes	0.0186	MAC = 0.1	0.00400 mg/L	N/A
Haloacetic Acids				
Monochloroacetic Acid	< 0.0020	N/A	0.0020 mg/L	2022-01-21
Monobromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2022-01-21
Dichloroacetic Acid	0.0075	N/A	0.0020 mg/L	2022-01-21
Trichloroacetic Acid	0.0103	N/A	0.0020 mg/L	2022-01-21
Dibromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2022-01-21



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Analyte	Result	Guideline	RL	Units	Analyzed	Qualifie
Town Shop (22A1125-02) Matrix: Water	r Sampled: 2022-0	1-12 11:02, Continu	ued			
Haloacetic Acids, Continued						
Total Haloacetic Acids (HAA5)	0.0178	MAC = 0.08	0.00200	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	86		70-130	%	2022-01-21	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	0.0017	N/A	0.0010	mg/L	2022-01-22	
Bromoform	< 0.0010	N/A	0.0010		2022-01-22	
Chloroform	0.0151	N/A	0.0010	mg/L	2022-01-22	
Dibromochloromethane	0.0018	N/A	0.0010	mg/L	2022-01-22	
Surrogate: Toluene-d8	113		70-130	%	2022-01-22	
Surrogate: 4-Bromofluorobenzene	107		70-130	%	2022-01-22	
	r Sampled: 2022-0	1-12 11:15				
Turtle Club (22A1125-03) Matrix: Water Calculated Parameters Total Trihalomethanes	r Sampled: 2022-0 [.] 0.0190	1-12 11:15 MAC = 0.1	0.00400	mg/L	N/A	
Calculated Parameters	· ·		0.00400	mg/L	N/A	
Calculated Parameters Total Trihalomethanes	· ·		0.00400		N/A 2022-01-21	
Calculated Parameters Total Trihalomethanes Haloacetic Acids	0.0190	MAC = 0.1		mg/L		
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid	0.0190 < 0.0020	MAC = 0.1 N/A	0.0020	mg/L mg/L	2022-01-21	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid	0.0190 < 0.0020 < 0.0020	MAC = 0.1 N/A N/A	0.0020 0.0020	mg/L mg/L mg/L	2022-01-21 2022-01-21	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid	0.0190 < 0.0020 < 0.0020 0.0085	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	2022-01-21 2022-01-21 2022-01-21	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid	0.0190 < 0.0020 < 0.0020 0.0085 0.0124	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	2022-01-21 2022-01-21 2022-01-21 2022-01-21	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid	0.0190 < 0.0020 < 0.0020 0.0085 0.0124 < 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	2022-01-21 2022-01-21 2022-01-21 2022-01-21 2022-01-21	
Calculated Parameters Total Trihalomethanes Haloacetic Acids Monochloroacetic Acid Monobromoacetic Acid Dichloroacetic Acid Trichloroacetic Acid Dibromoacetic Acid Total Haloacetic Acids (HAA5) Surrogate: 2-Bromopropionic Acid	0.0190 < 0.0020 < 0.0020 0.0085 0.0124 < 0.0020 0.0208	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	2022-01-21 2022-01-21 2022-01-21 2022-01-21 2022-01-21 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	0.0190 < 0.0020 < 0.0020 0.0085 0.0124 < 0.0020 0.0208	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 %	2022-01-21 2022-01-21 2022-01-21 2022-01-21 2022-01-21 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)	0.0190 < 0.0020 < 0.0020 0.0085 0.0124 < 0.0020 0.0208 92	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 mg/L	2022-01-21 2022-01-21 2022-01-21 2022-01-21 2022-01-21 N/A 2022-01-21	
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	0.0190 < 0.0020 < 0.0020 0.0085 0.0124 < 0.0020 0.0208 92	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	2022-01-21 2022-01-21 2022-01-21 2022-01-21 2022-01-21 N/A 2022-01-21	
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	0.0190 < 0.0020 < 0.0020 0.0085 0.0124 < 0.0020 0.0208 92 0.0019 < 0.0019	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	2022-01-21 2022-01-21 2022-01-21 2022-01-21 2022-01-21 N/A 2022-01-21	
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	0.0190 < 0.0020 < 0.0020 0.0085 0.0124 < 0.0020 0.0208 92 0.0019 < 0.0010 0.0149	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 70-130 0.0010 0.0010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2022-01-21 2022-01-21 2022-01-21 2022-01-21 2022-01-21 N/A 2022-01-21 2022-01-22 2022-01-22 2022-01-22	

Sample Qualifiers:

CST2 Results may be biased low.

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

RS1 The Reporting Limits for this sample have been raised due to high analyte concentration and/or matrix interference.

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 REPORTED 22A1125 2022-01-24 16:01

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	✓	Edmonton
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)	✓	Edmonton
Chlorine, Total in Water	SM 4500-Cl G (2017)	Colorimetry (DPD)	✓	Edmonton
Colour, True in Water	SM 2120 C (2017)	Spectrophotometry (456 nm)	✓	Edmonton
Conductivity in Water	SM 2510 B (2017)	Conductivity Meter	✓	Edmonton
Cyanide, SAD in Water	ASTM D7511-12	Flow Injection with In-Line UV Digestion and Amperomet	ry ✓	Kelowna
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) ✓	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	✓	Edmonton
Volatile Organic Compounds in Water	EPA 5030B / EPA 8260D	Purge&Trap / GC-MSD (SIM)	✓	Richmond



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REPORTED TO Stettler, Town of (Alberta)

PROJECT Distribution System - Biannual Analysis

WORK ORDER

22A1125

REPORTED 2022-01-24 16:01

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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