CERTIFICATE OF ANALYSIS

REPORTED TO	Mountainview Regional Water Services Commission 35566 Rge Rd 10 Red Deer County, AB T4G 0H5		
ATTENTION	Wesley Olstad	**WORK ORDER**	25B2417
PO NUMBER		**RECEIVED / TEMP**	2025-02-25 08:50 / 15.1°C
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07
PROJECT INFO			

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

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.

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.

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: https://www.caro.ca/terms-conditions

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

Authorized By:

Team CARO
Client Service Representative

TEST RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
Treated (25B2417-01) | Matrix: Water | Sampled: 2025-02-24						
Acid Herbicides						
2,4-D	< 0.10	MAC = 100	0.10	µg/L	2025-03-03	
2,4-DB	< 0.10	N/A	0.10	µg/L	2025-03-03	
Dichlorprop (2,4-DP)	< 0.10	N/A	0.10	µg/L	2025-03-03	
Fenoprop	< 0.10	N/A	0.10	µg/L	2025-03-03	
MCPA	< 0.02	MAC = 350	0.02	µg/L	2025-03-03	
MCPB	< 0.10	N/A	0.10	µg/L	2025-03-03	
2,4,5-T	< 0.10	N/A	0.10	µg/L	2025-03-03	
MCPP	< 0.10	N/A	0.10	µg/L	2025-03-03	
Acifluorfen	< 0.10	N/A	0.10	µg/L	2025-03-03	
Bentazon	< 0.10	N/A	0.10	µg/L	2025-03-03	
Chloramben	< 0.10	N/A	0.10	µg/L	2025-03-03	
Dicamba	< 0.10	MAC = 110	0.10	µg/L	2025-03-03	
Triclopyr	< 0.10	N/A	0.10	µg/L	2025-03-03	
Picloram	< 0.10	MAC = 190	0.10	µg/L	2025-03-03	
Clopyralid	< 0.10	N/A	0.10	µg/L	2025-03-03	
Bromoxynil	< 0.10	MAC = 30	0.10	µg/L	2025-03-03	
Dinoseb	< 0.10	N/A	0.10	µg/L	2025-03-03	
Anions						
Bromate	< 0.005	MAC = 0.01	0.005	mg/L	2025-03-04	
Chloride	**3.98**	AO ≤ 250	0.50	mg/L	2025-02-26	
Fluoride	**0.15**	MAC = 1.5	0.10	mg/L	2025-02-26	
Nitrate (as N)	< 0.050	MAC = 10	0.050	mg/L	2025-02-26	
Nitrite (as N)	< 0.050	MAC = 1	0.050	mg/L	2025-02-26	
Sulfate	**73.3**	AO ≤ 500	1.0	mg/L	2025-02-26	
Calculated Parameters						
Chloramines	**0.130**	MAC = 3	0.0400	mg/L	N/A	
Total Trihalomethanes	**0.0250**	MAC = 0.1	0.00400	mg/L	N/A	
Ion Balance	**101**	N/A		%	N/A	
Hardness, Total (as CaCO3)	**246**	None Required	0.541	mg/L	N/A	
Nitrate+Nitrite (as N)	< 0.0500	N/A	0.0500	mg/L	N/A	
Solids, Total Dissolved	**274**	AO ≤ 500	2.00	mg/L	N/A	
Chlorinated Phenols						
2-Chlorophenol	< 0.10	N/A	0.10	µg/L	2025-02-28	
3 & 4-Chlorophenol	< 0.10	N/A	0.10	µg/L	2025-02-28	
4-Chloro-3-Methylphenol	< 0.50	N/A	0.50	µg/L	2025-02-28	
2,3-Dichlorophenol	< 0.20	N/A	0.20	µg/L	2025-02-28	
2,4 & 2,5-Dichlorophenol	< 0.20	AO ≤ 0.3	0.20	µg/L	2025-02-28	
2,6-Dichlorophenol	< 0.20	N/A	0.20	µg/L	2025-02-28	
3,4-Dichlorophenol	< 0.20	N/A	0.20	µg/L	2025-02-28	
3,5-Dichlorophenol	< 0.20	N/A	0.20	µg/L	2025-02-28	
2,3,4-Trichlorophenol	< 0.50	N/A	0.50	µg/L	2025-02-28	

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Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
Treated (25B2417-01) | Matrix: Water | Sampled: 2025-02-24, Continued						
Chlorinated Phenols, Continued						
2,3,5-Trichlorophenol	< 0.50	N/A	0.50	µg/L	2025-02-28	
2,3,6-Trichlorophenol	< 0.50	N/A	0.50	µg/L	2025-02-28	
2,4,5-Trichlorophenol	< 0.50	N/A	0.50	µg/L	2025-02-28	
2,4,6-Trichlorophenol	< 0.50	AO ≤ 2	0.50	µg/L	2025-02-28	
3,4,5-Trichlorophenol	< 0.50	N/A	0.50	µg/L	2025-02-28	
2,3,4,5 & 2,3,5,6-Tetrachlorophenol	< 0.50	N/A	0.50	µg/L	2025-02-28	
2,3,4,6-Tetrachlorophenol	< 0.50	AO ≤ 1	0.50	µg/L	2025-02-28	
Pentachlorophenol	< 0.50	AO ≤ 30	0.50	µg/L	2025-02-28	
Surrogate: 2,4-Dibromophenol	*83*		*60-130*	%	*2025-02-28*	
Surrogate: 2,4,6-Tribromophenol	*82*		*60-130*	%	*2025-02-28*	
Surrogate: Phenol-d6	*100*		*70-130*	%	*2025-02-28*	
General Parameters						
Alkalinity, Total (as CaCO3)	**173**	N/A	2.0	mg/L	2025-02-26	
Bicarbonate (HCO3)	**211**	N/A	2.5	mg/L	2025-02-26	
Carbonate (CO3)	< 2.0	N/A	2.0	mg/L	2025-02-26	
Hydroxide (OH)	< 2.0	N/A	2.0	mg/L	2025-02-26	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2025-03-07	
Carbon, Total Organic	**2.22**	N/A	0.50	mg/L	2025-02-27	
Chlorine, Total	**0.94**	None Required	0.02	mg/L	2025-03-04	HT2
Chlorine, Free	**0.81**	N/A	0.02	mg/L	2025-03-04	HT2
Colour, True	< 5.0	AO ≤ 15	5.0	CU	2025-02-26	
Conductivity (EC)	**474**	N/A	2.0	µS/cm	2025-02-26	
Cyanide, Total	< 0.0020	MAC = 0.2	0.0020	mg/L	2025-02-27	
Nitrilotriacetic Acid	< 0.20	MAC = 0.4	0.20	mg/L	2025-03-03	
pH	**7.45**	7.0-10.5	0.10	pH units	2025-02-26	HT2
Sulfide, Total	< 0.020	AO ≤ 0.05	0.020	mg/L	2025-02-25	
Turbidity	**0.37**	OG < 1	0.10	NTU	2025-02-26	
Microbiological Parameters						
Microcystin, total	< 0.05	MAC = 1.5	0.05	µg/L	2025-02-28	
Miscellaneous Herbicides						
Glyphosate	< 0.050	MAC = 0.28	0.050	mg/L	2025-03-10	
Pesticides, Herbicides, and Fungicides						
Alachlor	< 0.100	N/A	0.100	µg/L	2025-02-28	
Aldrin	< 0.006	N/A	0.006	µg/L	2025-02-28	
Atrazine and metabolites	< 0.100	MAC = 5	0.100	µg/L	2025-02-28	
Azinphos-methyl	< 0.200	MAC = 20	0.200	µg/L	2025-02-28	
alpha-BHC	< 0.010	N/A	0.010	µg/L	2025-02-28	
beta-BHC	< 0.050	N/A	0.050	µg/L	2025-02-28	
delta-BHC	< 0.050	N/A	0.050	µg/L	2025-02-28	
gamma-BHC (Lindane)	< 0.050	N/A	0.050	µg/L	2025-02-28	

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Treated (25B2417-01) | Matrix: Water | Sampled: 2025-02-24, Continued						
Pesticides, Herbicides, and Fungicides, Continued						
Bromacil	< 0.100	N/A	0.100	µg/L	2025-02-28	
Bromoxynil	< 0.200	MAC = 30	0.200	µg/L	2025-02-28	
Butachlor	< 0.020	N/A	0.020	µg/L	2025-02-28	
Captan	< 0.100	N/A	0.100	µg/L	2025-02-28	
Chlordane (cis + trans)	< 0.050	N/A	0.050	µg/L	2025-02-28	
Chlorothalonil	< 0.050	N/A	0.050	µg/L	2025-02-28	
Chlorpyrifos	< 0.010	MAC = 90	0.010	µg/L	2025-02-28	
Cyanazine	< 0.100	N/A	0.100	µg/L	2025-02-28	
DDT, Total	< 0.010	N/A	0.010	µg/L	2025-02-28	
Deltamethrin	< 0.100	N/A	0.100	µg/L	2025-02-28	
Diazinon	< 0.020	MAC = 20	0.020	µg/L	2025-02-28	
Dichlorvos	< 0.100	N/A	0.100	µg/L	2025-02-28	
Diclofop-methyl	< 0.100	MAC = 9	0.100	µg/L	2025-02-28	
Dieldrin	< 0.010	N/A	0.010	µg/L	2025-02-28	
Dimethoate	< 0.200	MAC = 20	0.200	µg/L	2025-02-28	
Disulfoton	< 0.100	N/A	0.100	µg/L	2025-02-28	
Diuron	< 0.200	MAC = 150	0.200	µg/L	2025-02-28	
Endosulfan I + II	< 0.010	N/A	0.010	µg/L	2025-02-28	
Endosulfan sulfate	< 0.050	N/A	0.050	µg/L	2025-02-28	
Endrin	< 0.020	N/A	0.020	µg/L	2025-02-28	
Endrin aldehyde	< 0.020	N/A	0.020	µg/L	2025-02-28	
Endrin ketone	< 0.020	N/A	0.020	µg/L	2025-02-28	
Fenchlorphos (Ronnel)	< 0.100	N/A	0.100	µg/L	2025-02-28	
Heptachlor	< 0.010	N/A	0.010	µg/L	2025-02-28	
Heptachlor epoxide	< 0.010	N/A	0.010	µg/L	2025-02-28	
Linuron	< 0.050	N/A	0.050	µg/L	2025-02-28	
Malathion	< 0.100	MAC = 290	0.100	µg/L	2025-02-28	
Methoxychlor	< 0.050	N/A	0.050	µg/L	2025-02-28	
Methyl parathion	< 0.100	N/A	0.100	µg/L	2025-02-28	
Metolachlor	< 0.100	MAC = 50	0.100	µg/L	2025-02-28	
Metribuzin	< 0.200	MAC = 80	0.200	µg/L	2025-02-28	
Parathion	< 0.100	N/A	0.100	µg/L	2025-02-28	
Pentachloronitrobenzene	< 0.100	N/A	0.100	µg/L	2025-02-28	
Permethrin	< 0.010	N/A	0.010	µg/L	2025-02-28	
Phorate	< 0.100	MAC = 2	0.100	µg/L	2025-02-28	
Prometon	< 0.300	N/A	0.300	µg/L	2025-02-28	
Prometryne	< 0.100	N/A	0.100	µg/L	2025-02-28	
Simazine	< 0.200	MAC = 10	0.200	µg/L	2025-02-28	
Sulfotep	< 0.100	N/A	0.100	µg/L	2025-02-28	
Tebuthiuron	< 0.200	N/A	0.200	µg/L	2025-02-28	
Temephos (Abate)	< 0.500	N/A	0.500	µg/L	2025-02-28	
Terbufos	< 0.100	MAC = 1	0.100	µg/L	2025-02-28	
Triallate	< 0.100	N/A	0.100	µg/L	2025-02-28	

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Treated (25B2417-01) | Matrix: Water | Sampled: 2025-02-24, Continued						
Pesticides, Herbicides, and Fungicides, Continued						
Trifluralin	< 0.200	MAC = 45	0.200	µg/L	2025-02-28	
Surrogate: Tributyl Phosphate	*111*		*50-140*	%	*2025-02-28*	
Surrogate: 4-chloro-3-nitrobenzotrifluoride	*80*		*50-140*	%	*2025-02-28*	
Polycyclic Aromatic Hydrocarbons (PAH)						
Acenaphthene	< 0.050	N/A	0.050	µg/L	2025-02-27	
Acenaphthylene	< 0.200	N/A	0.200	µg/L	2025-02-27	
Acridine	< 0.050	N/A	0.050	µg/L	2025-02-27	
Anthracene	< 0.010	N/A	0.010	µg/L	2025-02-27	
Benz(a)anthracene	< 0.010	N/A	0.010	µg/L	2025-02-27	
Benzo(a)pyrene	< 0.010	MAC = 0.04	0.010	µg/L	2025-02-27	
Benzo(b+j)fluoranthene	< 0.050	N/A	0.050	µg/L	2025-02-27	
Benzo(g,h,i)perylene	< 0.050	N/A	0.050	µg/L	2025-02-27	
Benzo(k)fluoranthene	< 0.050	N/A	0.050	µg/L	2025-02-27	
2-Chloronaphthalene	< 0.100	N/A	0.100	µg/L	2025-02-27	
Chrysene	< 0.050	N/A	0.050	µg/L	2025-02-27	
Dibenz(a,h)anthracene	< 0.010	N/A	0.010	µg/L	2025-02-27	
Fluoranthene	< 0.030	N/A	0.030	µg/L	2025-02-27	
Fluorene	< 0.050	N/A	0.050	µg/L	2025-02-27	
Indeno(1,2,3-cd)pyrene	< 0.050	N/A	0.050	µg/L	2025-02-27	
1-Methylnaphthalene	< 0.100	N/A	0.100	µg/L	2025-02-27	
2-Methylnaphthalene	< 0.100	N/A	0.100	µg/L	2025-02-27	
Naphthalene	< 0.200	N/A	0.200	µg/L	2025-02-27	
Phenanthrene	< 0.100	N/A	0.100	µg/L	2025-02-27	
Pyrene	< 0.020	N/A	0.020	µg/L	2025-02-27	
Quinoline	< 0.050	N/A	0.050	µg/L	2025-02-27	
Surrogate: Naphthalene-d8	*90*		*50-140*	%	*2025-02-27*	
Surrogate: Perylene-d12	*112*		*50-140*	%	*2025-02-27*	
Total Metals						
Aluminum, total	**0.0183**	OG < 0.1	0.0050	mg/L	2025-02-26	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2025-02-26	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2025-02-26	
Barium, total	**0.111**	MAC = 2	0.0050	mg/L	2025-02-26	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2025-02-26	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2025-02-26	
Calcium, total	**64.6**	None Required	0.20	mg/L	2025-02-26	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2025-02-26	
Copper, total	**0.00044**	MAC = 2	0.00040	mg/L	2025-02-26	
Iron, total	< 0.010	AO ≤ 0.3	0.010	mg/L	2025-02-26	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2025-02-26	
Magnesium, total	**20.6**	None Required	0.010	mg/L	2025-02-26	
Manganese, total	**0.0113**	MAC = 0.12	0.00020	mg/L	2025-02-26	
Mercury, total	< 0.000010	MAC = 0.001	0.000010	mg/L	2025-02-26	

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Treated (25B2417-01) | Matrix: Water | Sampled: 2025-02-24, Continued						
Total Metals, Continued						
Potassium, total	**0.96**	N/A	0.10	mg/L	2025-02-26	
Selenium, total	**0.00055**	MAC = 0.05	0.00050	mg/L	2025-02-26	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2025-02-26	
Sodium, total	**5.11**	AO ≤ 200	0.10	mg/L	2025-02-26	
Strontium, total	**0.446**	MAC = 7	0.0010	mg/L	2025-02-26	
Uranium, total	**0.000449**	MAC = 0.02	0.000020	mg/L	2025-02-26	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2025-02-26	
Volatile Organic Compounds (VOC)						
Benzene	< 0.5	MAC = 5	0.5	µg/L	2025-02-26	
Bromodichloromethane	**1.2**	N/A	1.0	µg/L	2025-02-26	
Bromoform	< 1.0	N/A	1.0	µg/L	2025-02-26	
Carbon tetrachloride	< 0.5	MAC = 2	0.5	µg/L	2025-02-26	
Chlorobenzene	< 1.0	AO ≤ 30	1.0	µg/L	2025-02-26	
Chloroethane	< 2.0	N/A	2.0	µg/L	2025-02-26	
Chloroform	**23.9**	N/A	1.0	µg/L	2025-02-26	
Dibromochloromethane	< 1.0	N/A	1.0	µg/L	2025-02-26	
1,2-Dibromoethane	< 0.3	N/A	0.3	µg/L	2025-02-26	
Dibromomethane	< 1.0	N/A	1.0	µg/L	2025-02-26	
1,2-Dichlorobenzene	< 0.5	AO ≤ 3	0.5	µg/L	2025-02-26	
1,3-Dichlorobenzene	< 1.0	N/A	1.0	µg/L	2025-02-26	
1,4-Dichlorobenzene	< 1.0	AO ≤ 1	1.0	µg/L	2025-02-26	
1,1-Dichloroethane	< 1.0	N/A	1.0	µg/L	2025-02-26	
1,2-Dichloroethane	< 1.0	MAC = 5	1.0	µg/L	2025-02-26	
1,1-Dichloroethylene	< 1.0	MAC = 14	1.0	µg/L	2025-02-26	
cis-1,2-Dichloroethylene	< 1.0	N/A	1.0	µg/L	2025-02-26	
trans-1,2-Dichloroethylene	< 1.0	N/A	1.0	µg/L	2025-02-26	
Dichloromethane	< 3.0	MAC = 50	3.0	µg/L	2025-02-26	
1,2-Dichloropropane	< 1.0	N/A	1.0	µg/L	2025-02-26	
1,3-Dichloropropene (cis + trans)	< 1.0	N/A	1.0	µg/L	2025-02-26	
Ethylbenzene	< 1.0	AO ≤ 1.6	1.0	µg/L	2025-02-26	
Methyl tert-butyl ether	< 1.0	AO ≤ 15	1.0	µg/L	2025-02-26	
Styrene	< 1.0	N/A	1.0	µg/L	2025-02-26	
1,1,2,2-Tetrachloroethane	< 0.5	N/A	0.5	µg/L	2025-02-26	
Tetrachloroethylene	< 1.0	MAC = 10	1.0	µg/L	2025-02-26	
Toluene	< 0.5	MAC = 60	0.5	µg/L	2025-02-26	
1,1,1-Trichloroethane	< 1.0	N/A	1.0	µg/L	2025-02-26	
1,1,2-Trichloroethane	< 1.0	N/A	1.0	µg/L	2025-02-26	
Trichloroethylene	< 1.0	MAC = 5	1.0	µg/L	2025-02-26	
Trichlorofluoromethane	< 1.0	N/A	1.0	µg/L	2025-02-26	
Vinyl chloride	< 1.0	MAC = 2	1.0	µg/L	2025-02-26	
Xylenes (total)	< 2.0	AO ≤ 20	2.0	µg/L	2025-02-26	
Surrogate: Toluene-d8	*98*		*70-130*	%	*2025-02-26*	

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Treated (25B2417-01) | Matrix: Water | Sampled: 2025-02-24, Continued						
Volatile Organic Compounds (VOC), Continued						
Surrogate: 4-Bromofluorobenzene	*101*		*70-130*	%	*2025-02-26*	

Sample Qualifiers:

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

APPENDIX 1: SUPPORTING INFORMATION

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PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analysis Description	Method Ref.	Technique	Accredited	Location
Acid Herbicides in Water in Water	In-House	N/A	✓	Richmond
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Edmonton
Ammonia, Total in Water	SM 4500-NH3 D* (2021)	Ion Selective Electrode	✓	Edmonton
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Edmonton
Bromate in Water	SM 4110 B (2020)	Ion Chromatography	✓	Sublet
Carbon, Total Organic in Water	SM 5310 B (2022)	Combustion, Infrared CO2 Detection	✓	Kelowna
Chlorine, Free in Water	SM 4500-Cl G (2021)	Colorimetry (DPD)	✓	Edmonton
Chlorine, Total in Water	SM 4500-Cl G (2021)	Colorimetry (DPD)	✓	Edmonton
Colour, True in Water	SM 2120 C (2021)	Spectrophotometry (456 nm)	✓	Edmonton
Conductivity in Water	SM 2510 B (2021)	Conductivity Meter	✓	Edmonton
Cyanide, SAD in Water	ASTM D7511-12	Flow Injection with In-Line UV Digestion and Amperometry	✓	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
Hardness in Water	SM 2340 B (2021)	Calculation: 2.497 [diss Ca] + 4.118 [diss Mg]	✓	N/A
Ion Balance in Water	SM 2340 B (2021)	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
Nitrate+Nitrite in Water	SM 2340 B (2021)	Calculation: 2.497 [diss Ca] + 4.118 [diss Mg]	✓	N/A
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 (2021)	Electrometry	✓	Edmonton
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)		Edmonton
Solids, Total Dissolved in Water	SM 1030 E (2021)	SM 1030 E	✓	N/A
Sulfide, Total in Water	SM 4500-S2 D* (2021)	Colorimetry (Methylene Blue)	✓	Edmonton
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
Turbidity in Water	SM 2130 B (2020)	Nephelometry	✓	Edmonton
Volatile Organic Compounds in Water	EPA 5030B / EPA 8260D	Purge&Trap / GC-MSD (SIM)	✓	Edmonton

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Glossary of Terms:

RL	Reporting Limit (default)
%	Percent
<	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:

The results in this report apply to the received samples analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Caro will dispose of all samples within 30 days of sample receipt, unless otherwise agreed.

Results in **Bold** indicate values that are above CARO's method reporting limits. Any results that are above regulatory limits are highlighted **red**. Please note that results will only be highlighted red if the regulatory limits are included on the CARO report. Any Bold and/or highlighted results do not take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager:TeamCaro@caro.ca

Please note any regulatory guidelines applied to this report are added as a convenience to the client, at their request, to help provide some initial context to analytical results obtained. Although CARO makes every effort to ensure accuracy of the associated regulatory guideline(s) applied, the guidelines applied cannot be assumed to be correct due to a variety of factors and as such CARO Analytical Services assumes no liability or responsibility for the use of those guidelines to make any decisions. The original source of the regulation should be verified and a review of the guideline(s) should be validated as correct in order to make any decisions arising from the comparison of the analytical data obtained to the relevant regulatory guideline for one's particular circumstances. Further, CARO Analytical Services assumes no liability or responsibility for any loss attributed from the use of these guidelines in any way.

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in “batches” and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- **Method Blank (Blk)**: A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- **Duplicate (Dup)**: An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- **Blank Spike (BS)**: A sample of known concentration which undergoes processing identical to that carried out for test samples, also referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- **Matrix Spike (MS)**: A second aliquot of sample is fortified with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- **Reference Material (SRM)**: A homogenous material of similar matrix to the samples, certified for the parameter(s) listed. Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Acid Herbicides, Batch B5B3827										
Blank (B5B3827-BLK1)				Prepared: 2025-02-28, Analyzed: 2025-03-03						
2,4-D	< 0.10	0.10	µg/L							
2,4-DB	< 0.10	0.10	µg/L							
Dichlorprop (2,4-DP)	< 0.10	0.10	µg/L							
Fenoprop	< 0.10	0.10	µg/L							
MCPA	< 0.02	0.02	µg/L							
MCPB	< 0.10	0.10	µg/L							
2,4,5-T	< 0.10	0.10	µg/L							
MCPP	< 0.10	0.10	µg/L							
Acifluorfen	< 0.10	0.10	µg/L							
Bentazon	< 0.10	0.10	µg/L							
Chloramben	< 0.10	0.10	µg/L							
Dicamba	< 0.10	0.10	µg/L							
Triclopyr	< 0.10	0.10	µg/L							
Picloram	< 0.10	0.10	µg/L							
Clopyralid	< 0.10	0.10	µg/L							
Bromoxynil	< 0.10	0.10	µg/L							
Dinoseb	< 0.10	0.10	µg/L							
LCS (B5B3827-BS1)				Prepared: 2025-02-28, Analyzed: 2025-03-03						
2,4-D	5.41	0.10	µg/L	5.05		107	75-125			
2,4-DB	5.08	0.10	µg/L	5.00		102	70-130			
Dichlorprop (2,4-DP)	5.01	0.10	µg/L	5.00		100	75-125			
Fenoprop	5.07	0.10	µg/L	5.00		102	70-130			
MCPA	5.20	0.02	µg/L	5.00		104	80-120			
MCPB	5.27	0.10	µg/L	5.00		105	70-130			
2,4,5-T	5.06	0.10	µg/L	4.97		102	75-125			
MCPP	5.14	0.10	µg/L	5.00		103	75-125			
Acifluorfen	4.97	0.10	µg/L	5.00		99	70-130			
Bentazon	5.07	0.10	µg/L	5.00		101	70-130			
Chloramben	5.31	0.10	µg/L	5.00		106	75-125			
Dicamba	5.08	0.10	µg/L	5.00		102	70-130			
Triclopyr	5.03	0.10	µg/L	5.00		101	75-125			
Picloram	4.94	0.10	µg/L	5.00		99	70-130			
Clopyralid	5.34	0.10	µg/L	5.00		107	70-130			
Bromoxynil	5.28	0.10	µg/L	5.00		106	70-130			
Dinoseb	4.73	0.10	µg/L	5.00		95	70-130			

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Acid Herbicides, Batch B5B3827, Continued										
LCS Dup (B5B3827-BSD1)				Prepared: 2025-02-28, Analyzed: 2025-03-03						
2,4-D	5.25	0.10	µg/L	5.05		104	75-125	3	30	
2,4-DB	5.19	0.10	µg/L	5.00		104	70-130	2	30	
Dichlorprop (2,4-DP)	4.95	0.10	µg/L	5.00		99	75-125	1	30	
Fenoprop	5.24	0.10	µg/L	5.00		105	70-130	3	30	
MCPA	5.20	0.02	µg/L	5.00		104	80-120	< 1	30	
MCPB	5.31	0.10	µg/L	5.00		106	70-130	< 1	30	
2,4,5-T	5.20	0.10	µg/L	4.97		105	75-125	3	30	
MCPP	5.17	0.10	µg/L	5.00		104	75-125	< 1	30	
Acifluorfen	6.72	0.10	µg/L	5.00		134	70-130	30	30	SPK1
Bentazon	4.92	0.10	µg/L	5.00		98	70-130	3	30	
Chloramben	5.18	0.10	µg/L	5.00		104	75-125	3	30	
Dicamba	5.14	0.10	µg/L	5.00		103	70-130	1	30	
Triclopyr	5.06	0.10	µg/L	5.00		101	75-125	< 1	30	
Picloram	5.15	0.10	µg/L	5.00		103	70-130	4	30	
Clopyralid	4.95	0.10	µg/L	5.00		99	70-130	8	30	
Bromoxynil	5.22	0.10	µg/L	5.00		104	70-130	1	30	
Dinoseb	6.32	0.10	µg/L	5.00		126	70-130	29	30	
Anions, Batch B5B3461										
Blank (B5B3461-BLK1)				Prepared: 2025-02-25, Analyzed: 2025-02-25						
Chloride	< 0.50	0.50	mg/L							
Fluoride	< 0.10	0.10	mg/L							
Nitrate (as N)	< 0.050	0.050	mg/L							
Nitrite (as N)	< 0.050	0.050	mg/L							
Sulfate	< 1.0	1.0	mg/L							
Blank (B5B3461-BLK2)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Chloride	< 0.50	0.50	mg/L							
Fluoride	< 0.10	0.10	mg/L							
Nitrate (as N)	< 0.050	0.050	mg/L							
Nitrite (as N)	< 0.050	0.050	mg/L							
Sulfate	< 1.0	1.0	mg/L							
LCS (B5B3461-BS1)				Prepared: 2025-02-25, Analyzed: 2025-02-25						
Chloride	10.9	0.50	mg/L	10.0		109	90-110			
Fluoride	0.96	0.10	mg/L	1.00		96	85-115			
Nitrate (as N)	1.02	0.050	mg/L	1.00		102	92-108			
Nitrite (as N)	0.471	0.050	mg/L	0.500		94	85-115			
Sulfate	54.6	1.0	mg/L	50.0		109	90-110			
LCS (B5B3461-BS2)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Chloride	10.8	0.50	mg/L	10.0		108	90-110			
Fluoride	0.97	0.10	mg/L	1.00		97	85-115			
Nitrate (as N)	1.05	0.050	mg/L	1.00		105	92-108			
Nitrite (as N)	0.508	0.050	mg/L	0.500		102	85-115			
Sulfate	53.8	1.0	mg/L	50.0		108	90-110			
Chlorinated Phenols, Batch B5B3606										
Blank (B5B3606-BLK1)				Prepared: 2025-02-26, Analyzed: 2025-02-28						
2-Chlorophenol	< 0.10	0.10	µg/L							
3 & 4-Chlorophenol	< 0.10	0.10	µg/L							
4-Chloro-3-Methylphenol	< 0.50	0.50	µg/L							
2,3-Dichlorophenol	< 0.20	0.20	µg/L							
2,4 & 2,5-Dichlorophenol	< 0.20	0.20	µg/L							

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Chlorinated Phenols, Batch B5B3606, Continued										
Blank (B5B3606-BLK1), Continued				Prepared: 2025-02-26, Analyzed: 2025-02-28						
2,6-Dichlorophenol	< 0.20	0.20	µg/L							
3,4-Dichlorophenol	< 0.20	0.20	µg/L							
3,5-Dichlorophenol	< 0.20	0.20	µg/L							
2,3,4-Trichlorophenol	< 0.50	0.50	µg/L							
2,3,5-Trichlorophenol	< 0.50	0.50	µg/L							
2,3,6-Trichlorophenol	< 0.50	0.50	µg/L							
2,4,5-Trichlorophenol	< 0.50	0.50	µg/L							
2,4,6-Trichlorophenol	< 0.50	0.50	µg/L							
3,4,5-Trichlorophenol	< 0.50	0.50	µg/L							
2,3,4,5 & 2,3,5,6-Tetrachlorophenol	< 0.50	0.50	µg/L							
2,3,4,6-Tetrachlorophenol	< 0.50	0.50	µg/L							
Pentachlorophenol	< 0.50	0.50	µg/L							
Surrogate: 2,4-Dibromophenol	*1.62*		*µg/L*	2.00		*81*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*1.53*		*µg/L*	2.00		*77*	*60-130*			
Surrogate: Phenol-d6	*4.97*		*µg/L*	5.00		*99*	*70-130*			
LCS (B5B3606-BS1)				Prepared: 2025-02-26, Analyzed: 2025-02-28						
2-Chlorophenol	7.30	0.10	µg/L	10.0		73	60-130			
3 & 4-Chlorophenol	16.2	0.10	µg/L	20.0		81	60-130			
4-Chloro-3-Methylphenol	9.69	0.50	µg/L	10.0		97	60-130			
2,3-Dichlorophenol	8.13	0.20	µg/L	10.0		81	60-130			
2,4 & 2,5-Dichlorophenol	17.3	0.20	µg/L	20.0		86	60-130			
2,6-Dichlorophenol	8.58	0.20	µg/L	10.0		86	60-130			
3,4-Dichlorophenol	9.53	0.20	µg/L	10.0		95	60-130			
3,5-Dichlorophenol	9.43	0.20	µg/L	10.0		94	60-130			
2,3,4-Trichlorophenol	8.95	0.50	µg/L	10.0		90	60-130			
2,3,5-Trichlorophenol	9.33	0.50	µg/L	10.0		93	60-130			
2,3,6-Trichlorophenol	8.50	0.50	µg/L	10.0		85	60-130			
2,4,5-Trichlorophenol	9.62	0.50	µg/L	10.0		96	60-130			
2,4,6-Trichlorophenol	8.74	0.50	µg/L	10.0		87	60-130			
3,4,5-Trichlorophenol	10.2	0.50	µg/L	10.0		102	60-130			
2,3,4,5 & 2,3,5,6-Tetrachlorophenol	18.7	0.50	µg/L	20.0		93	60-130			
2,3,4,6-Tetrachlorophenol	7.59	0.50	µg/L	10.0		76	60-130			
Pentachlorophenol	11.7	0.50	µg/L	10.0		117	60-130			
Surrogate: 2,4-Dibromophenol	*1.96*		*µg/L*	2.00		*98*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*1.93*		*µg/L*	2.00		*97*	*60-130*			
Surrogate: Phenol-d6	*5.08*		*µg/L*	5.00		*102*	*70-130*			
LCS Dup (B5B3606-BSD1)				Prepared: 2025-02-26, Analyzed: 2025-02-28						
2-Chlorophenol	7.61	0.10	µg/L	10.0		76	60-130	4	40	
3 & 4-Chlorophenol	16.2	0.10	µg/L	20.0		81	60-130	< 1	40	
4-Chloro-3-Methylphenol	9.81	0.50	µg/L	10.0		98	60-130	1	40	
2,3-Dichlorophenol	8.75	0.20	µg/L	10.0		88	60-130	7	40	
2,4 & 2,5-Dichlorophenol	18.6	0.20	µg/L	20.0		93	60-130	7	40	
2,6-Dichlorophenol	8.71	0.20	µg/L	10.0		87	60-130	2	40	
3,4-Dichlorophenol	9.79	0.20	µg/L	10.0		98	60-130	3	40	
3,5-Dichlorophenol	9.41	0.20	µg/L	10.0		94	60-130	< 1	40	
2,3,4-Trichlorophenol	9.15	0.50	µg/L	10.0		92	60-130	2	40	
2,3,5-Trichlorophenol	9.62	0.50	µg/L	10.0		96	60-130	3	40	
2,3,6-Trichlorophenol	8.64	0.50	µg/L	10.0		86	60-130	2	40	
2,4,5-Trichlorophenol	9.71	0.50	µg/L	10.0		97	60-130	< 1	40	
2,4,6-Trichlorophenol	8.90	0.50	µg/L	10.0		89	60-130	2	40	
3,4,5-Trichlorophenol	10.4	0.50	µg/L	10.0		104	60-130	3	40	
2,3,4,5 & 2,3,5,6-Tetrachlorophenol	20.5	0.50	µg/L	20.0		102	60-130	9	40	
2,3,4,6-Tetrachlorophenol	8.14	0.50	µg/L	10.0		81	60-130	7	40	
Pentachlorophenol	12.2	0.50	µg/L	10.0		122	60-130	4	40	

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Chlorinated Phenols, Batch B5B3606, Continued										
LCS Dup (B5B3606-BSD1), Continued				Prepared: 2025-02-26, Analyzed: 2025-02-28						
Surrogate: 2,4-Dibromophenol	*2.04*		*µg/L*	2.00		*102*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*1.95*		*µg/L*	2.00		*98*	*60-130*			
Surrogate: Phenol-d6	*5.30*		*µg/L*	5.00		*106*	*70-130*			
General Parameters, Batch B5B3395										
Blank (B5B3395-BLK1)				Prepared: 2025-02-25, Analyzed: 2025-02-25						
Sulfide, Total	< 0.020	0.020	mg/L							
LCS (B5B3395-BS1)				Prepared: 2025-02-25, Analyzed: 2025-02-25						
Sulfide, Total	0.539	0.020	mg/L	0.480		112	80-120			
Matrix Spike (B5B3395-MS1)		**Source: 25B2417-01**		Prepared: 2025-02-25, Analyzed: 2025-02-25						
Sulfide, Total	0.441	0.020	mg/L	0.480	< 0.020	92	70-130			
General Parameters, Batch B5B3495										
Blank (B5B3495-BLK1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Carbon, Total Organic	< 0.50	0.50	mg/L							
Blank (B5B3495-BLK2)				Prepared: 2025-02-27, Analyzed: 2025-02-28						
Carbon, Total Organic	< 0.50	0.50	mg/L							
Blank (B5B3495-BLK3)				Prepared: 2025-02-27, Analyzed: 2025-02-28						
Carbon, Total Organic	< 0.50	0.50	mg/L							
Blank (B5B3495-BLK4)				Prepared: 2025-02-27, Analyzed: 2025-02-28						
Carbon, Total Organic	< 0.50	0.50	mg/L							
Blank (B5B3495-BLK5)				Prepared: 2025-02-28, Analyzed: 2025-02-28						
Carbon, Total Organic	< 0.50	0.50	mg/L							
LCS (B5B3495-BS1)				Prepared: 2025-02-26, Analyzed: 2025-02-28						
Carbon, Total Organic	9.48	0.50	mg/L	10.0		95	78-116			
LCS (B5B3495-BS2)				Prepared: 2025-02-27, Analyzed: 2025-02-28						
Carbon, Total Organic	9.36	0.50	mg/L	10.0		94	78-116			
LCS (B5B3495-BS3)				Prepared: 2025-02-27, Analyzed: 2025-02-28						
Carbon, Total Organic	9.55	0.50	mg/L	10.0		95	78-116			
LCS (B5B3495-BS4)				Prepared: 2025-02-27, Analyzed: 2025-02-28						
Carbon, Total Organic	9.36	0.50	mg/L	10.0		94	78-116			
LCS (B5B3495-BS5)				Prepared: 2025-02-28, Analyzed: 2025-02-28						
Carbon, Total Organic	9.28	0.50	mg/L	10.0		93	78-116			
General Parameters, Batch B5B3502										
Blank (B5B3502-BLK1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Turbidity	< 0.10	0.10	NTU							
LCS (B5B3502-BS1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Turbidity	37.5	0.10	NTU	40.0		94	90-110			

APPENDIX 2: QUALITY CONTROL RESULTS

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PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
General Parameters, Batch B5B3505										
Blank (B5B3505-BLK1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Colour, True	< 5.0	5.0	CU							
LCS (B5B3505-BS1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Colour, True	24	5.0	CU	25.0		97	90-110			
General Parameters, Batch B5B3551										
Blank (B5B3551-BLK1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Alkalinity, Total (as CaCO3)	< 2.0	2.0	mg/L							
Bicarbonate (HCO3)	< 2.5	2.5	mg/L							
Carbonate (CO3)	< 2.0	2.0	mg/L							
Hydroxide (OH)	< 2.0	2.0	mg/L							
Conductivity (EC)	< 2.0	2.0	µS/cm							
pH	< 0.10	0.10	pH units							
LCS (B5B3551-BS1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Alkalinity, Total (as CaCO3)	246	2.0	mg/L	250		98	94-108			
Conductivity (EC)	992	2.0	µS/cm	1000		99	95-105			
Reference (B5B3551-SRM1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
pH	7.13	0.10	pH units	7.00		102	98-102			
General Parameters, Batch B5B3599										
Blank (B5B3599-BLK1)				Prepared: 2025-02-27, Analyzed: 2025-02-27						
Cyanide, Total	< 0.0020	0.0020	mg/L							
Blank (B5B3599-BLK2)				Prepared: 2025-02-27, Analyzed: 2025-02-27						
Cyanide, Total	< 0.0020	0.0020	mg/L							
LCS (B5B3599-BS1)				Prepared: 2025-02-27, Analyzed: 2025-02-27						
Cyanide, Total	0.0191	0.0020	mg/L	0.0200		96	82-120			
LCS (B5B3599-BS2)				Prepared: 2025-02-27, Analyzed: 2025-02-27						
Cyanide, Total	0.0211	0.0020	mg/L	0.0200		106	82-120			
LCS Dup (B5B3599-BSD1)				Prepared: 2025-02-27, Analyzed: 2025-02-27						
Cyanide, Total	0.0199	0.0020	mg/L	0.0200		100	82-120	4	10	
LCS Dup (B5B3599-BSD2)				Prepared: 2025-02-27, Analyzed: 2025-02-27						
Cyanide, Total	0.0217	0.0020	mg/L	0.0200		109	82-120	3	10	
General Parameters, Batch B5C1780										
Blank (B5C1780-BLK1)				Prepared: 2025-03-03, Analyzed: 2025-03-03						
Nitrilotriacetic Acid	< 0.20	0.20	mg/L							
LCS (B5C1780-BS1)				Prepared: 2025-03-03, Analyzed: 2025-03-03						
Nitrilotriacetic Acid	0.89	0.20	mg/L	1.00		89	80-120			
LCS Dup (B5C1780-BSD1)				Prepared: 2025-03-03, Analyzed: 2025-03-03						
Nitrilotriacetic Acid	0.90	0.20	mg/L	1.00		90	80-120	< 1	20	
General Parameters, Batch B5C1819										

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
General Parameters, Batch B5C1819, Continued										
Blank (B5C1819-BLK1)				Prepared: 2025-03-04, Analyzed: 2025-03-04						
Chlorine, Total	< 0.02	0.02	mg/L							
Chlorine, Free	< 0.02	0.02	mg/L							
Duplicate (B5C1819-DUP1)				**Source: 25B2417-01**	Prepared: 2025-03-04, Analyzed: 2025-03-04					
Chlorine, Total	0.94	0.02	mg/L		0.94			< 1	10	
Chlorine, Free	0.80	0.02	mg/L		0.81			1	20	
Reference (B5C1819-SRM1)				Prepared: 2025-03-04, Analyzed: 2025-03-04						
Chlorine, Total	1.53	0.02	mg/L	1.55		99	91.2-108.8			
Chlorine, Free	1.53	0.02	mg/L	1.55		99	91.2-108.8			
General Parameters, Batch B5C2312										
Blank (B5C2312-BLK1)				Prepared: 2025-03-07, Analyzed: 2025-03-07						
Ammonia, Total (as N)	< 0.050	0.050	mg/L							
Blank (B5C2312-BLK2)				Prepared: 2025-03-07, Analyzed: 2025-03-07						
Ammonia, Total (as N)	< 0.050	0.050	mg/L							
LCS (B5C2312-BS1)				Prepared: 2025-03-07, Analyzed: 2025-03-07						
Ammonia, Total (as N)	0.218	0.050	mg/L	0.200		109	85-115			
LCS (B5C2312-BS2)				Prepared: 2025-03-07, Analyzed: 2025-03-07						
Ammonia, Total (as N)	0.195	0.050	mg/L	0.200		98	85-115			
Miscellaneous Herbicides, Batch B5C2504										
Blank (B5C2504-BLK1)				Prepared: 2025-03-10, Analyzed: 2025-03-10						
Glyphosate	< 0.050	0.050	mg/L							
LCS (B5C2504-BS1)				Prepared: 2025-03-10, Analyzed: 2025-03-10						
Glyphosate	0.225	0.050	mg/L	0.250		90	70-130			
LCS Dup (B5C2504-BSD1)				Prepared: 2025-03-10, Analyzed: 2025-03-10						
Glyphosate	0.224	0.050	mg/L	0.250		90	70-130	< 1	20	
Matrix Spike (B5C2504-MS1)				**Source: 25B2417-01**	Prepared: 2025-03-10, Analyzed: 2025-03-10					
Glyphosate	0.232	0.050	mg/L	0.250	< 0.050	93	60-120			
Pesticides, Herbicides, and Fungicides, Batch B5B3458										
Blank (B5B3458-BLK1)				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Alachlor	< 0.100	0.100	µg/L							
Aldrin	< 0.006	0.006	µg/L							
Atrazine and metabolites	< 0.100	0.100	µg/L							
Azinphos-methyl	< 0.200	0.200	µg/L							
alpha-BHC	< 0.010	0.010	µg/L							
beta-BHC	< 0.050	0.050	µg/L							
delta-BHC	< 0.050	0.050	µg/L							
gamma-BHC (Lindane)	< 0.050	0.050	µg/L							
Bromacil	0.114	0.100	µg/L							BLK
Bromoxynil	< 0.200	0.200	µg/L							
Butachlor	< 0.020	0.020	µg/L							
Captan	< 0.100	0.100	µg/L							
Chlordane (cis + trans)	< 0.050	0.050	µg/L							
Chlorothalonil	< 0.050	0.050	µg/L							

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Pesticides, Herbicides, and Fungicides, Batch B5B3458, Continued										
Blank (B5B3458-BLK1), Continued				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Chlorpyrifos	< 0.010	0.010	µg/L							
Cyanazine	< 0.100	0.100	µg/L							
DDT, Total	< 0.010	0.010	µg/L							
Deltamethrin	< 0.100	0.100	µg/L							
Diazinon	< 0.020	0.020	µg/L							
Dichlorvos	< 0.100	0.100	µg/L							
Diclofop-methyl	< 0.100	0.100	µg/L							
Dieldrin	< 0.010	0.010	µg/L							
Dimethoate	< 0.200	0.200	µg/L							
Disulfoton	< 0.100	0.100	µg/L							
Diuron	< 0.200	0.200	µg/L							
Endosulfan I + II	< 0.010	0.010	µg/L							
Endosulfan sulfate	< 0.050	0.050	µg/L							
Endrin	< 0.020	0.020	µg/L							
Endrin aldehyde	< 0.020	0.020	µg/L							
Endrin ketone	< 0.020	0.020	µg/L							
Fenchlorphos (Ronnel)	< 0.100	0.100	µg/L							
Heptachlor	< 0.010	0.010	µg/L							
Heptachlor epoxide	< 0.010	0.010	µg/L							
Linuron	< 0.050	0.050	µg/L							
Malathion	< 0.100	0.100	µg/L							
Methoxychlor	< 0.050	0.050	µg/L							
Methyl parathion	< 0.100	0.100	µg/L							
Metolachlor	< 0.100	0.100	µg/L							
Metribuzin	< 0.200	0.200	µg/L							
Parathion	< 0.100	0.100	µg/L							
Pentachloronitrobenzene	< 0.100	0.100	µg/L							
Permethrin	< 0.010	0.010	µg/L							
Phorate	< 0.100	0.100	µg/L							
Prometon	< 0.300	0.300	µg/L							
Prometryne	< 0.100	0.100	µg/L							
Simazine	< 0.200	0.200	µg/L							
Sulfotep	< 0.100	0.100	µg/L							
Tebuthiuron	< 0.200	0.200	µg/L							
Temephos (Abate)	< 0.500	0.500	µg/L							
Terbufos	< 0.100	0.100	µg/L							
Triallate	< 0.100	0.100	µg/L							
Trifluralin	< 0.200	0.200	µg/L							
Surrogate: Tributyl Phosphate	*1.08*		*µg/L*	1.00		*108*	*50-140*			
Surrogate: 4-chloro-3-nitrobenzotrifluoride	*0.680*		*µg/L*	0.970		*70*	*50-140*			
LCS (B5B3458-BS1)				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Alachlor	0.898	0.100	µg/L	1.01		89	50-140			
Aldrin	0.666	0.006	µg/L	1.00		67	50-140			
Atrazine	0.925	0.100	µg/L	1.01		92	50-140			
Atrazine-desethyl	0.609	0.100	µg/L	1.01		60	50-140			
Azinphos-methyl	1.24	0.200	µg/L	0.992		125	50-140			
alpha-BHC	0.826	0.010	µg/L	1.00		83	50-140			
beta-BHC	1.22	0.050	µg/L	1.00		122	50-140			
delta-BHC	0.724	0.050	µg/L	1.00		72	50-140			
gamma-BHC (Lindane)	0.778	0.050	µg/L	1.00		78	50-140			
Bromacil	1.08	0.100	µg/L	1.00		108	50-140			
Bromoxynil	1.09	0.200	µg/L	1.01		108	50-140			
Butachlor	1.06	0.020	µg/L	1.00		106	50-140			
Captan	0.708	0.100	µg/L	1.04		68	50-140			
Chlordane (cis + trans)	1.65	0.050	µg/L	2.00		83	50-140			

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Pesticides, Herbicides, and Fungicides, Batch B5B3458, Continued										
LCS (B5B3458-BS1), Continued				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Chlorothalonil	1.30	0.050	µg/L	1.16		112	50-140			
Chlorpyrifos	0.876	0.010	µg/L	1.00		88	50-140			
Cyanazine	1.06	0.100	µg/L	1.00		106	50-140			
DDT, Total	5.84	0.010	µg/L	6.01		97	50-140			
Deltamethrin	9.43	0.100	µg/L	9.99		94	50-140			
Diazinon	0.856	0.020	µg/L	1.02		84	50-140			
Dichlorvos	0.873	0.100	µg/L	1.00		87	50-140			
Diclofop-methyl	0.970	0.100	µg/L	1.00		97	50-140			
Dieldrin	0.874	0.010	µg/L	1.00		87	50-140			
Dimethoate	0.971	0.200	µg/L	1.01		96	50-140			
Disulfoton	0.690	0.100	µg/L	1.01		68	50-140			
Diuron	0.876	0.200	µg/L	1.01		87	50-140			
Endosulfan I + II	1.62	0.010	µg/L	2.00		81	50-140			
Endosulfan sulfate	0.885	0.050	µg/L	1.00		89	50-140			
Endrin	1.12	0.020	µg/L	1.00		112	50-140			
Endrin aldehyde	0.816	0.020	µg/L	1.00		82	50-140			
Endrin ketone	0.791	0.020	µg/L	1.00		79	50-140			
Fenchlorphos (Ronnel)	0.787	0.100	µg/L	1.00		79	50-140			
Heptachlor	0.809	0.010	µg/L	1.00		81	50-140			
Heptachlor epoxide	0.838	0.010	µg/L	1.00		84	50-140			
Linuron	0.793	0.050	µg/L	0.994		80	50-140			
Malathion	0.950	0.100	µg/L	0.998		95	50-140			
Methoxychlor	0.948	0.050	µg/L	1.00		95	50-140			
Methyl parathion	1.15	0.100	µg/L	1.05		110	50-140			
Metolachlor	0.970	0.100	µg/L	1.00		97	50-140			
Metribuzin	0.989	0.200	µg/L	1.00		99	50-140			
Parathion	1.19	0.100	µg/L	1.02		117	50-140			
Pentachloronitrobenzene	0.902	0.100	µg/L	0.989		91	50-140			
Permethrin	1.20	0.010	µg/L	1.00		120	50-140			
Phorate	0.827	0.100	µg/L	1.01		82	50-140			
Prometon	1.00	0.300	µg/L	1.00		100	50-140			
Prometryne	0.879	0.100	µg/L	1.00		88	50-140			
Simazine	0.862	0.200	µg/L	1.01		85	50-140			
Sulfotep	0.952	0.100	µg/L	0.999		95	50-140			
Tebuthiuron	1.13	0.200	µg/L	1.00		113	50-140			
Temephos (Abate)	7.83	0.500	µg/L	10.1		77	50-140			
Terbufos	0.916	0.100	µg/L	1.01		91	50-140			
Triallate	0.871	0.100	µg/L	0.998		87	50-140			
Trifluralin	1.03	0.200	µg/L	1.00		103	50-140			
Surrogate: Tributyl Phosphate	*1.17*		*µg/L*	1.00		*117*	*50-140*			
Surrogate: 4-chloro-3-nitrobenzotrifluoride	*0.793*		*µg/L*	0.970		*82*	*50-140*			
LCS Dup (B5B3458-BSD1)				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Alachlor	0.908	0.100	µg/L	1.01		90	50-140	1	30	
Aldrin	0.638	0.006	µg/L	1.00		64	50-140	4	30	
Atrazine	0.938	0.100	µg/L	1.01		93	50-140	1	30	
Atrazine-desethyl	0.616	0.100	µg/L	1.01		61	50-140	1	30	
Azinphos-methyl	1.24	0.200	µg/L	0.992		125	50-140	< 1	30	
alpha-BHC	0.791	0.010	µg/L	1.00		79	50-140	4	30	
beta-BHC	1.18	0.050	µg/L	1.00		118	50-140	4	30	
delta-BHC	0.710	0.050	µg/L	1.00		71	50-140	2	30	
gamma-BHC (Lindane)	0.737	0.050	µg/L	1.00		74	50-140	5	30	
Bromacil	1.12	0.100	µg/L	1.00		112	50-140	3	30	
Bromoxynil	1.10	0.200	µg/L	1.01		109	50-140	1	30	
Butachlor	0.843	0.020	µg/L	1.00		84	50-140	23	30	
Captan	0.709	0.100	µg/L	1.04		68	50-140	< 1	30	

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Pesticides, Herbicides, and Fungicides, Batch B5B3458, Continued										
LCS Dup (B5B3458-BSD1), Continued				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Chlordane (cis + trans)	1.63	0.050	µg/L	2.00		81	50-140	1	30	
Chlorothalonil	1.27	0.050	µg/L	1.16		110	50-140	2	30	
Chlorpyrifos	0.861	0.010	µg/L	1.00		86	50-140	2	30	
Cyanazine	1.09	0.100	µg/L	1.00		109	50-140	3	30	
DDT, Total	5.88	0.010	µg/L	6.01		98	50-140	< 1	30	
Deltamethrin	9.04	0.100	µg/L	9.99		91	50-140	4	30	
Diazinon	0.836	0.020	µg/L	1.02		82	50-140	2	30	
Dichlorvos	0.842	0.100	µg/L	1.00		84	50-140	4	30	
Diclofop-methyl	0.982	0.100	µg/L	1.00		98	50-140	1	30	
Dieldrin	0.835	0.010	µg/L	1.00		83	50-140	5	30	
Dimethoate	0.971	0.200	µg/L	1.01		96	50-140	< 1	30	
Disulfoton	0.667	0.100	µg/L	1.01		66	50-140	3	30	
Diuron	0.825	0.200	µg/L	1.01		82	50-140	6	30	
Endosulfan I + II	1.59	0.010	µg/L	2.00		79	50-140	2	30	
Endosulfan sulfate	0.859	0.050	µg/L	1.00		86	50-140	3	30	
Endrin	1.12	0.020	µg/L	1.00		112	50-140	< 1	30	
Endrin aldehyde	0.810	0.020	µg/L	1.00		81	50-140	< 1	30	
Endrin ketone	0.724	0.020	µg/L	1.00		72	50-140	9	30	
Fenchlorphos (Ronnel)	0.805	0.100	µg/L	1.00		80	50-140	2	30	
Heptachlor	0.784	0.010	µg/L	1.00		78	50-140	3	30	
Heptachlor epoxide	0.816	0.010	µg/L	1.00		82	50-140	3	30	
Linuron	0.959	0.050	µg/L	0.994		96	50-140	19	30	
Malathion	0.974	0.100	µg/L	0.998		98	50-140	3	30	
Methoxychlor	0.939	0.050	µg/L	1.00		94	50-140	1	30	
Methyl parathion	1.15	0.100	µg/L	1.05		110	50-140	< 1	30	
Metolachlor	0.986	0.100	µg/L	1.00		99	50-140	2	30	
Metribuzin	1.02	0.200	µg/L	1.00		102	50-140	3	30	
Parathion	1.20	0.100	µg/L	1.02		118	50-140	< 1	30	
Pentachloronitrobenzene	0.869	0.100	µg/L	0.989		88	50-140	4	30	
Permethrin	1.18	0.010	µg/L	1.00		118	50-140	1	30	
Phorate	0.770	0.100	µg/L	1.01		76	50-140	7	30	
Prometon	1.04	0.300	µg/L	1.00		104	50-140	3	30	
Prometryne	0.913	0.100	µg/L	1.00		91	50-140	4	30	
Simazine	0.900	0.200	µg/L	1.01		89	50-140	4	30	
Sulfotep	0.956	0.100	µg/L	0.999		96	50-140	< 1	30	
Tebuthiuron	1.16	0.200	µg/L	1.00		116	50-140	3	30	
Temephos (Abate)	8.35	0.500	µg/L	10.1		83	50-140	6	30	
Terbufos	0.916	0.100	µg/L	1.01		91	50-140	< 1	30	
Triallate	0.876	0.100	µg/L	0.998		88	50-140	< 1	30	
Trifluralin	1.03	0.200	µg/L	1.00		103	50-140	< 1	30	
Surrogate: Tributyl Phosphate	*1.14*		*µg/L*	1.00		*114*	*50-140*			
Surrogate: 4-chloro-3-nitrobenzotrifluoride	*0.754*		*µg/L*	0.970		*78*	*50-140*			
Polycyclic Aromatic Hydrocarbons (PAH), Batch B5B3472										
Blank (B5B3472-BLK1)				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Acenaphthene	< 0.050	0.050	µg/L							
Acenaphthylene	< 0.200	0.200	µg/L							
Acridine	< 0.050	0.050	µg/L							
Anthracene	< 0.010	0.010	µg/L							
Benz(a)anthracene	< 0.010	0.010	µg/L							
Benzo(a)pyrene	< 0.010	0.010	µg/L							
Benzo(b+j)fluoranthene	< 0.050	0.050	µg/L							
Benzo(g,h,i)perylene	< 0.050	0.050	µg/L							
Benzo(k)fluoranthene	< 0.050	0.050	µg/L							
2-Chloronaphthalene	< 0.100	0.100	µg/L							

APPENDIX 2: QUALITY CONTROL RESULTS

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PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Polycyclic Aromatic Hydrocarbons (PAH), Batch B5B3472, Continued										
Blank (B5B3472-BLK1), Continued				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Chrysene	< 0.050	0.050	µg/L							
Dibenz(a,h)anthracene	< 0.010	0.010	µg/L							
Fluoranthene	< 0.030	0.030	µg/L							
Fluorene	< 0.050	0.050	µg/L							
Indeno(1,2,3-cd)pyrene	< 0.050	0.050	µg/L							
1-Methylnaphthalene	< 0.100	0.100	µg/L							
2-Methylnaphthalene	< 0.100	0.100	µg/L							
Naphthalene	< 0.200	0.200	µg/L							
Phenanthrene	< 0.100	0.100	µg/L							
Pyrene	< 0.020	0.020	µg/L							
Quinoline	< 0.050	0.050	µg/L							
Surrogate: Naphthalene-d8	*20.3*		*µg/L*	20.0		*102*	*50-140*			
Surrogate: Perylene-d12	*27.1*		*µg/L*	20.0		*136*	*50-140*			
LCS (B5B3472-BS2)				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Acenaphthene	20.0	0.050	µg/L	20.0		100	50-140			
Acenaphthylene	19.4	0.200	µg/L	20.0		97	50-140			
Acridine	19.1	0.050	µg/L	20.0		95	50-140			
Anthracene	21.5	0.010	µg/L	20.0		108	50-140			
Benz(a)anthracene	20.9	0.010	µg/L	20.0		105	50-140			
Benzo(a)pyrene	21.2	0.010	µg/L	20.0		106	50-140			
Benzo(b+j)fluoranthene	41.9	0.050	µg/L	40.0		105	50-140			
Benzo(g,h,i)perylene	20.5	0.050	µg/L	20.0		102	50-140			
Benzo(k)fluoranthene	20.1	0.050	µg/L	20.0		101	50-140			
2-Chloronaphthalene	22.3	0.100	µg/L	20.4		110	50-140			
Chrysene	20.9	0.050	µg/L	20.0		104	50-140			
Dibenz(a,h)anthracene	19.3	0.010	µg/L	20.0		97	50-140			
Fluoranthene	21.5	0.030	µg/L	20.0		108	50-140			
Fluorene	20.6	0.050	µg/L	20.0		103	50-140			
Indeno(1,2,3-cd)pyrene	20.6	0.050	µg/L	20.0		103	50-140			
1-Methylnaphthalene	20.8	0.100	µg/L	19.9		104	50-140			
2-Methylnaphthalene	20.2	0.100	µg/L	20.0		101	50-140			
Naphthalene	20.0	0.200	µg/L	20.0		100	50-140			
Phenanthrene	21.5	0.100	µg/L	20.0		108	50-140			
Pyrene	21.8	0.020	µg/L	20.0		109	50-140			
Quinoline	20.1	0.050	µg/L	20.0		100	50-140			
Surrogate: Naphthalene-d8	*19.8*		*µg/L*	20.0		*99*	*50-140*			
Surrogate: Perylene-d12	*24.7*		*µg/L*	20.0		*124*	*50-140*			
LCS Dup (B5B3472-BSD2)				Prepared: 2025-02-25, Analyzed: 2025-02-28						
Acenaphthene	19.0	0.050	µg/L	20.0		95	50-140	5	30	
Acenaphthylene	18.6	0.200	µg/L	20.0		93	50-140	5	30	
Acridine	18.2	0.050	µg/L	20.0		91	50-140	5	30	
Anthracene	19.4	0.010	µg/L	20.0		97	50-140	11	30	
Benz(a)anthracene	20.2	0.010	µg/L	20.0		101	50-140	3	30	
Benzo(a)pyrene	20.7	0.010	µg/L	20.0		103	50-140	3	30	
Benzo(b+j)fluoranthene	39.7	0.050	µg/L	40.0		99	50-140	5	30	
Benzo(g,h,i)perylene	20.1	0.050	µg/L	20.0		101	50-140	2	30	
Benzo(k)fluoranthene	19.2	0.050	µg/L	20.0		96	50-140	5	30	
2-Chloronaphthalene	20.3	0.100	µg/L	20.4		100	50-140	9	30	
Chrysene	20.3	0.050	µg/L	20.0		102	50-140	3	30	
Dibenz(a,h)anthracene	19.1	0.010	µg/L	20.0		96	50-140	1	30	
Fluoranthene	20.9	0.030	µg/L	20.0		104	50-140	3	30	
Fluorene	19.6	0.050	µg/L	20.0		98	50-140	5	30	
Indeno(1,2,3-cd)pyrene	20.3	0.050	µg/L	20.0		102	50-140	1	30	
1-Methylnaphthalene	19.9	0.100	µg/L	19.9		100	50-140	4	30	

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Polycyclic Aromatic Hydrocarbons (PAH), Batch B5B3472, Continued										
LCS Dup (B5B3472-BSD2), Continued				Prepared: 2025-02-25, Analyzed: 2025-02-28						
2-Methylnaphthalene	19.3	0.100	µg/L	20.0		96	50-140	5	30	
Naphthalene	19.2	0.200	µg/L	20.0		96	50-140	4	30	
Phenanthrene	20.6	0.100	µg/L	20.0		103	50-140	4	30	
Pyrene	21.0	0.020	µg/L	20.0		105	50-140	3	30	
Quinoline	19.2	0.050	µg/L	20.0		96	50-140	5	30	
Surrogate: Naphthalene-d8	*20.1*		*µg/L*	20.0		*100*	*50-140*			
Surrogate: Perylene-d12	*25.3*		*µg/L*	20.0		*126*	*50-140*			
Total Metals, Batch B5B3578										
Blank (B5B3578-BLK1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Mercury, total	< 0.000010	0.000010	mg/L							
LCS (B5B3578-BS1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Mercury, total	0.00258	0.000010	mg/L	0.00250		103	80-120			
Total Metals, Batch B5B3607										
Blank (B5B3607-BLK1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Aluminum, total	< 0.0050	0.0050	mg/L							
Antimony, total	< 0.00020	0.00020	mg/L							
Arsenic, total	< 0.00050	0.00050	mg/L							
Barium, total	< 0.0050	0.0050	mg/L							
Boron, total	< 0.0500	0.0500	mg/L							
Cadmium, total	< 0.000010	0.000010	mg/L							
Calcium, total	< 0.20	0.20	mg/L							
Chromium, total	< 0.00050	0.00050	mg/L							
Copper, total	< 0.00040	0.00040	mg/L							
Iron, total	< 0.010	0.010	mg/L							
Lead, total	< 0.00020	0.00020	mg/L							
Magnesium, total	< 0.010	0.010	mg/L							
Manganese, total	< 0.00020	0.00020	mg/L							
Potassium, total	< 0.10	0.10	mg/L							
Selenium, total	< 0.00050	0.00050	mg/L							
Silver, total	< 0.000050	0.000050	mg/L							
Sodium, total	< 0.10	0.10	mg/L							
Strontium, total	< 0.0010	0.0010	mg/L							
Uranium, total	< 0.000020	0.000020	mg/L							
Zinc, total	< 0.0040	0.0040	mg/L							
LCS (B5B3607-BS1)				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Aluminum, total	4.03	0.0050	mg/L	4.00		101	80-120			
Antimony, total	0.0394	0.00020	mg/L	0.0400		98	80-120			
Arsenic, total	0.395	0.00050	mg/L	0.400		99	80-120			
Barium, total	0.0395	0.0050	mg/L	0.0400		99	80-120			
Boron, total	0.409	0.0500	mg/L	0.400		102	80-120			
Cadmium, total	0.0392	0.000010	mg/L	0.0400		98	80-120			
Calcium, total	4.01	0.20	mg/L	4.00		100	80-120			
Chromium, total	0.0403	0.00050	mg/L	0.0400		101	80-120			
Copper, total	0.0401	0.00040	mg/L	0.0400		100	80-120			
Iron, total	4.00	0.010	mg/L	4.00		100	80-120			
Lead, total	0.0398	0.00020	mg/L	0.0400		99	80-120			
Magnesium, total	4.04	0.010	mg/L	4.00		101	80-120			
Manganese, total	0.0405	0.00020	mg/L	0.0400		101	80-120			
Potassium, total	3.97	0.10	mg/L	4.00		99	80-120			
Selenium, total	0.401	0.00050	mg/L	0.400		100	80-120			

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B5B3607, Continued										
LCS (B5B3607-BS1), Continued				Prepared: 2025-02-26, Analyzed: 2025-02-26						
Silver, total	0.0395	0.000050	mg/L	0.0400		99	80-120			
Sodium, total	4.00	0.10	mg/L	4.00		100	80-120			
Strontium, total	0.0408	0.0010	mg/L	0.0400		102	80-120			
Uranium, total	0.0401	0.000020	mg/L	0.0400		100	80-120			
Zinc, total	0.391	0.0040	mg/L	0.400		98	80-120			
Volatile Organic Compounds (VOC), Batch B5B3471										
Blank (B5B3471-BLK1)				Prepared: 2025-02-25, Analyzed: 2025-02-26						
Benzene	< 0.5	0.5	µg/L							
Bromodichloromethane	< 1.0	1.0	µg/L							
Bromoform	< 1.0	1.0	µg/L							
Carbon tetrachloride	< 0.5	0.5	µg/L							
Chlorobenzene	< 1.0	1.0	µg/L							
Chloroethane	< 2.0	2.0	µg/L							
Chloroform	< 1.0	1.0	µg/L							
Dibromochloromethane	< 1.0	1.0	µg/L							
1,2-Dibromoethane	< 0.3	0.3	µg/L							
Dibromomethane	< 1.0	1.0	µg/L							
1,2-Dichlorobenzene	< 0.5	0.5	µg/L							
1,3-Dichlorobenzene	< 1.0	1.0	µg/L							
1,4-Dichlorobenzene	< 1.0	1.0	µg/L							
1,1-Dichloroethane	< 1.0	1.0	µg/L							
1,2-Dichloroethane	< 1.0	1.0	µg/L							
1,1-Dichloroethylene	< 1.0	1.0	µg/L							
cis-1,2-Dichloroethylene	< 1.0	1.0	µg/L							
trans-1,2-Dichloroethylene	< 1.0	1.0	µg/L							
Dichloromethane	< 3.0	3.0	µg/L							
1,2-Dichloropropane	< 1.0	1.0	µg/L							
1,3-Dichloropropene (cis + trans)	< 1.0	1.0	µg/L							
Ethylbenzene	< 1.0	1.0	µg/L							
Methyl tert-butyl ether	< 1.0	1.0	µg/L							
Styrene	< 1.0	1.0	µg/L							
1,1,2,2-Tetrachloroethane	< 0.5	0.5	µg/L							
Tetrachloroethylene	< 1.0	1.0	µg/L							
Toluene	< 0.5	0.5	µg/L							
1,1,1-Trichloroethane	< 1.0	1.0	µg/L							
1,1,2-Trichloroethane	< 1.0	1.0	µg/L							
Trichloroethylene	< 1.0	1.0	µg/L							
Trichlorofluoromethane	< 1.0	1.0	µg/L							
Vinyl chloride	< 1.0	1.0	µg/L							
Xylenes (total)	< 2.0	2.0	µg/L							
Surrogate: Toluene-d8	*20.6*		*µg/L*	18.8		*109*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.7*		*µg/L*	19.9		*104*	*70-130*			
LCS (B5B3471-BS1)				Prepared: 2025-02-25, Analyzed: 2025-02-26						
Benzene	21.1	0.5	µg/L	20.1		105	70-130			
Bromodichloromethane	18.2	1.0	µg/L	20.1		90	70-130			
Bromoform	18.1	1.0	µg/L	20.1		90	70-130			
Carbon tetrachloride	16.6	0.5	µg/L	20.1		82	70-130			
Chlorobenzene	20.8	1.0	µg/L	20.1		104	70-130			
Chloroethane	15.5	2.0	µg/L	20.1		77	60-140			
Chloroform	19.3	1.0	µg/L	20.1		96	70-130			
Dibromochloromethane	17.2	1.0	µg/L	20.1		86	70-130			
1,2-Dibromoethane	18.9	0.3	µg/L	20.1		94	70-130			
Dibromomethane	16.6	1.0	µg/L	20.1		83	70-130			

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Volatile Organic Compounds (VOC), Batch B5B3471, Continued										
LCS (B5B3471-BS1), Continued				Prepared: 2025-02-25, Analyzed: 2025-02-26						
1,2-Dichlorobenzene	20.5	0.5	µg/L	20.1		102	70-130			
1,3-Dichlorobenzene	20.1	1.0	µg/L	20.1		100	70-130			
1,4-Dichlorobenzene	20.1	1.0	µg/L	20.1		100	70-130			
1,1-Dichloroethane	20.1	1.0	µg/L	20.1		100	70-130			
1,2-Dichloroethane	20.6	1.0	µg/L	20.1		103	70-130			
1,1-Dichloroethylene	13.2	1.0	µg/L	20.1		66	70-130			SPK1
cis-1,2-Dichloroethylene	17.9	1.0	µg/L	20.1		89	70-130			
trans-1,2-Dichloroethylene	13.5	1.0	µg/L	20.1		67	70-130			SPK1
Dichloromethane	16.4	3.0	µg/L	20.1		82	70-130			
1,2-Dichloropropane	19.9	1.0	µg/L	20.1		99	70-130			
1,3-Dichloropropene (cis + trans)	36.6	1.0	µg/L	40.0		92	70-130			
Ethylbenzene	23.4	1.0	µg/L	20.1		116	70-130			
Methyl tert-butyl ether	18.4	1.0	µg/L	20.0		92	70-130			
Styrene	22.7	1.0	µg/L	20.1		113	70-130			
1,1,2,2-Tetrachloroethane	23.9	0.5	µg/L	20.1		119	70-130			
Tetrachloroethylene	18.0	1.0	µg/L	20.1		89	70-130			
Toluene	22.4	0.5	µg/L	20.1		112	70-130			
1,1,1-Trichloroethane	18.1	1.0	µg/L	20.1		90	70-130			
1,1,2-Trichloroethane	18.9	1.0	µg/L	20.1		94	70-130			
Trichloroethylene	16.8	1.0	µg/L	20.1		84	70-130			
Trichlorofluoromethane	13.2	1.0	µg/L	20.1		66	60-140			
Vinyl chloride	16.1	1.0	µg/L	20.1		80	60-140			
Xylenes (total)	72.4	2.0	µg/L	60.3		120	70-130			
Surrogate: Toluene-d8	*19.8*		*µg/L*	18.8		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.0*		*µg/L*	19.9		*100*	*70-130*			
Duplicate (B5B3471-DUP1)			**Source: 25B2417-01**	Prepared: 2025-02-25, Analyzed: 2025-02-26						
Benzene	< 0.5	0.5	µg/L		< 0.5				30	
Bromodichloromethane	1.2	1.0	µg/L		1.2				30	
Bromoform	< 1.0	1.0	µg/L		< 1.0				30	
Carbon tetrachloride	< 0.5	0.5	µg/L		< 0.5				30	
Chlorobenzene	< 1.0	1.0	µg/L		< 1.0				30	
Chloroethane	< 2.0	2.0	µg/L		< 2.0				30	
Chloroform	23.9	1.0	µg/L		23.9			< 1	30	
Dibromochloromethane	< 1.0	1.0	µg/L		< 1.0				30	
1,2-Dibromoethane	< 0.3	0.3	µg/L		< 0.3				30	
Dibromomethane	< 1.0	1.0	µg/L		< 1.0				30	
1,2-Dichlorobenzene	< 0.5	0.5	µg/L		< 0.5				30	
1,3-Dichlorobenzene	< 1.0	1.0	µg/L		< 1.0				30	
1,4-Dichlorobenzene	< 1.0	1.0	µg/L		< 1.0				30	
1,1-Dichloroethane	< 1.0	1.0	µg/L		< 1.0				30	
1,2-Dichloroethane	< 1.0	1.0	µg/L		< 1.0				30	
1,1-Dichloroethylene	< 1.0	1.0	µg/L		< 1.0				30	
cis-1,2-Dichloroethylene	< 1.0	1.0	µg/L		< 1.0				30	
trans-1,2-Dichloroethylene	< 1.0	1.0	µg/L		< 1.0				30	
Dichloromethane	< 3.0	3.0	µg/L		< 3.0				30	
1,2-Dichloropropane	< 1.0	1.0	µg/L		< 1.0				30	
1,3-Dichloropropene (cis + trans)	< 1.0	1.0	µg/L		< 1.0				30	
Ethylbenzene	< 1.0	1.0	µg/L		< 1.0				30	
Methyl tert-butyl ether	< 1.0	1.0	µg/L		< 1.0				30	
Styrene	< 1.0	1.0	µg/L		< 1.0				30	
1,1,2,2-Tetrachloroethane	< 0.5	0.5	µg/L		< 0.5				30	
Tetrachloroethylene	< 1.0	1.0	µg/L		< 1.0				30	
Toluene	< 0.5	0.5	µg/L		< 0.5				30	
1,1,1-Trichloroethane	< 1.0	1.0	µg/L		< 1.0				30	
1,1,2-Trichloroethane	< 1.0	1.0	µg/L		< 1.0				30	

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Mountainview Regional Water Services Commission	**WORK ORDER**	25B2417
PROJECT	Schedule 4 - Code of Practice	**REPORTED**	2025-03-11 16:07

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Volatile Organic Compounds (VOC), Batch B5B3471, Continued										
Duplicate (B5B3471-DUP1), Continued		**Source: 25B2417-01**		Prepared: 2025-02-25, Analyzed: 2025-02-26						
Trichloroethylene	< 1.0	1.0	µg/L		< 1.0				30	
Trichlorofluoromethane	< 1.0	1.0	µg/L		< 1.0				30	
Vinyl chloride	< 1.0	1.0	µg/L		< 1.0				30	
Xylenes (total)	< 2.0	2.0	µg/L		< 2.0				30	
Surrogate: Toluene-d8	*19.2*		*µg/L*	18.8		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.8*		*µg/L*	19.9		*104*	*70-130*			
Matrix Spike (B5B3471-MS1)		**Source: 25B2417-01**		Prepared: 2025-02-25, Analyzed: 2025-02-26						
Benzene	21.7	0.5	µg/L	20.1	< 0.5	108	70-130			
Bromodichloromethane	21.3	1.0	µg/L	20.1	1.2	100	70-130			
Bromoform	19.4	1.0	µg/L	20.1	< 1.0	96	70-130			
Carbon tetrachloride	17.5	0.5	µg/L	20.1	< 0.5	87	70-130			
Chlorobenzene	21.0	1.0	µg/L	20.1	< 1.0	104	70-130			
Chloroethane	15.6	2.0	µg/L	20.1	< 2.0	78	60-140			
Chloroform	44.0	1.0	µg/L	20.1	23.9	100	70-130			
Dibromochloromethane	18.8	1.0	µg/L	20.1	< 1.0	93	70-130			
1,2-Dibromoethane	20.3	0.3	µg/L	20.1	< 0.3	101	70-130			
Dibromomethane	17.5	1.0	µg/L	20.1	< 1.0	87	70-130			
1,2-Dichlorobenzene	21.1	0.5	µg/L	20.1	< 0.5	105	70-130			
1,3-Dichlorobenzene	20.1	1.0	µg/L	20.1	< 1.0	100	70-130			
1,4-Dichlorobenzene	20.4	1.0	µg/L	20.1	< 1.0	102	70-130			
1,1-Dichloroethane	20.4	1.0	µg/L	20.1	< 1.0	102	70-130			
1,2-Dichloroethane	21.8	1.0	µg/L	20.1	< 1.0	109	70-130			
1,1-Dichloroethylene	14.5	1.0	µg/L	20.1	< 1.0	72	70-130			
cis-1,2-Dichloroethylene	18.8	1.0	µg/L	20.1	< 1.0	93	70-130			
trans-1,2-Dichloroethylene	14.6	1.0	µg/L	20.1	< 1.0	73	70-130			
Dichloromethane	18.1	3.0	µg/L	20.1	< 3.0	90	70-130			
1,2-Dichloropropane	20.8	1.0	µg/L	20.1	< 1.0	103	70-130			
1,3-Dichloropropene (cis + trans)	36.9	1.0	µg/L	40.0	< 1.0	92	70-130			
Ethylbenzene	23.1	1.0	µg/L	20.1	< 1.0	115	70-130			
Methyl tert-butyl ether	20.8	1.0	µg/L	20.0	< 1.0	104	70-130			
Styrene	< 1.0	1.0	µg/L	20.1	< 1.0	0.3	70-130			MS1
1,1,2,2-Tetrachloroethane	27.6	0.5	µg/L	20.1	< 0.5	137	70-130			MS1
Tetrachloroethylene	18.4	1.0	µg/L	20.1	< 1.0	91	70-130			
Toluene	22.3	0.5	µg/L	20.1	< 0.5	111	70-130			
1,1,1-Trichloroethane	19.0	1.0	µg/L	20.1	< 1.0	95	70-130			
1,1,2-Trichloroethane	20.1	1.0	µg/L	20.1	< 1.0	100	70-130			
Trichloroethylene	17.4	1.0	µg/L	20.1	< 1.0	86	70-130			
Trichlorofluoromethane	13.9	1.0	µg/L	20.1	< 1.0	69	60-140			
Vinyl chloride	15.2	1.0	µg/L	20.1	< 1.0	75	60-140			
Xylenes (total)	46.9	2.0	µg/L	60.3	< 2.0	78	70-130			
Surrogate: Toluene-d8	*16.9*		*µg/L*	18.8		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*17.9*		*µg/L*	19.9		*90*	*70-130*			

QC Qualifiers:

BLK	Analyte concentration in the Method Blank is above the Reporting Limit (RL).
MS1	The matrix spike recovery was outside of control limits due to a matrix effect and/or interference.
SPK1	The recovery of this analyte was outside of established control limits. The data was accepted based on performance of other batch QC.