

REPORTED TO	Parksville, City of P O Box 1390, 100 Jensen Avenue East Parksville, BC V9P 2H3	TEL	(250) 951-2489
		FAX	
ATTENTION	Barbara Silenieks	WORK ORDER	7011349
PO NUMBER	PO002417	RECEIVED / TEMP	2017-01-24 09:30 / 10°C
PROJECT	Drinking Water Pkg	REPORTED	2017-01-31
PROJECT INFO		COC NUMBER	B54113

General Comments:

CARO Analytical Services employs methods which are conducted according to procedures accepted by appropriate regulatory agencies, and/or are conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts, except where otherwise agreed to by the client.

The results in this report apply to the samples analyzed in accordance with the Chain of Custody or Sample Requisition 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. Samples will be disposed of 30 days after the test report has been issued unless otherwise agreed to in writing.



Authorized By: **Jeffery Lopes, B.Sc.**
Account Manager

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

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Richmond, BC V6V 2K9
Tel: 604-279-1499

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Kelowna, BC V1X 5C3
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Analysis Description	Method Reference	Technique	Location
Alkalinity in Water	APHA 2320 B*	Titration with H2SO4	Kelowna
Anions by IC in Water	APHA 4110 B	Ion Chromatography with Chemical Suppression of Eluent Conductivity	Kelowna
Coliforms, Total (MF) in Water	APHA 9222	Membrane Filtration	Sublet
Colour, True in Water	APHA 2120 C	Spectrophotometry (456 nm)	Kelowna
Conductivity in Water	APHA 2510 B	Conductivity Meter	Kelowna
Cyanide, SAD in Water	ASTM D7511-12	Flow Injection Analysis with In-Line Ultraviolet Digestion and Amperometric Detection	Kelowna
E. coli (MF) in Water	APHA 9223 B	Enzyme Substrate Endo Agar	Sublet
Hardness (as CaCO3) in Water	APHA 2340 B*	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Estimated)	N/A
Langelier Index in Water	APHA 2330 B	Calculation	N/A
Mercury, total by CVAFS in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	Richmond
pH in Water	APHA 4500-H+ B	Electrometry	Kelowna
Solids, Total Dissolved (calc) in Water	APHA 1030 E	Calculation: 100 x ([Cations]-[Anions])/([Cations]+[Anions])	N/A
Temperature (lab) in Water	APHA 2550 B	Thermometer	Kelowna
Total Metals by ICPMS in Water	APHA 3030E* / APHA 3125 B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	Richmond
Turbidity in Water	APHA 2130 B	Nephelometry	Kelowna

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

Method Reference Descriptions:

APHA Standard Methods for the Examination of Water and Wastewater, 22nd Edition, American Public Health Association/American Water Works Association/Water Environment Federation
 ASTM ASTM International Test Methods
 EPA United States Environmental Protection Agency Test Methods

Glossary of Terms:

MRL Method Reporting Limit
 < Less than the Reported Detection Limit (RDL) - the RDL may be higher than the MRL due to various factors such as dilutions, limited sample volume, high moisture, or interferences
 °C Degrees Celcius
 CFU/100 mL Colony Forming Units per 100 millilitres
 CU Colour Units (referenced against a platinum cobalt standard)
 mg/L Milligrams per litre
 NTU Nephelometric Turbidity Units
 pH units pH < 7 = acidic, pH > 7 = basic
 µS/cm Microsiemens per centimetre

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Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
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Sample ID: 760 Ermineskin (7011349-01) [Water] Sampled: 2017-01-23 08:55

Anions

Chloride	25.6	N/A	0.10	mg/L	N/A	2017-01-25	
Fluoride	< 0.10	N/A	0.10	mg/L	N/A	2017-01-25	
Nitrate (as N)	1.19	N/A	0.010	mg/L	N/A	2017-01-25	
Nitrite (as N)	< 0.010	N/A	0.010	mg/L	N/A	2017-01-25	
Sulfate	7.1	N/A	1.0	mg/L	N/A	2017-01-25	

General Parameters

Alkalinity, Total (as CaCO3)	127	N/A	2	mg/L	N/A	2017-01-27	
Alkalinity, Phenolphthalein (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-01-27	
Alkalinity, Bicarbonate (as CaCO3)	127	N/A	2	mg/L	N/A	2017-01-27	
Alkalinity, Carbonate (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-01-27	
Alkalinity, Hydroxide (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-01-27	
Colour, True	< 5	N/A	5	CU	N/A	2017-01-25	
Conductivity (EC)	334	N/A	2	µS/cm	N/A	2017-01-27	
Cyanide, Total	< 0.0020	N/A	0.0020	mg/L	N/A	2017-01-25	
pH	7.45	N/A	0.01	pH units	N/A	2017-01-27	HT2
Temperature	20	N/A		°C	N/A	2017-01-27	HT2
Turbidity	0.15	N/A	0.10	NTU	N/A	2017-01-26	

Calculated Parameters

Hardness, Total (as CaCO3)	153	N/A	0.50	mg/L	N/A	N/A	
Langelier Index	-0.4	N/A	-5.0	-	N/A	2017-01-31	
Solids, Total Dissolved (calc)	176	N/A	1.00	mg/L	N/A	N/A	

Total Metals

Aluminum, total	< 0.005	N/A	0.005	mg/L	2017-01-25	2017-01-25	
Antimony, total	< 0.0001	N/A	0.0001	mg/L	2017-01-25	2017-01-25	
Arsenic, total	< 0.0005	N/A	0.0005	mg/L	2017-01-25	2017-01-25	
Barium, total	0.009	N/A	0.005	mg/L	2017-01-25	2017-01-25	
Boron, total	0.017	N/A	0.004	mg/L	2017-01-25	2017-01-25	
Cadmium, total	< 0.00001	N/A	0.00001	mg/L	2017-01-25	2017-01-25	
Calcium, total	34.4	N/A	0.2	mg/L	2017-01-25	2017-01-25	
Chromium, total	0.0008	N/A	0.0005	mg/L	2017-01-25	2017-01-25	
Cobalt, total	< 0.00005	N/A	0.00005	mg/L	2017-01-25	2017-01-25	
Copper, total	0.0199	N/A	0.0002	mg/L	2017-01-25	2017-01-25	
Iron, total	0.02	N/A	0.01	mg/L	2017-01-25	2017-01-25	
Lead, total	0.0006	N/A	0.0001	mg/L	2017-01-25	2017-01-25	
Magnesium, total	16.3	N/A	0.01	mg/L	2017-01-25	2017-01-25	
Manganese, total	0.0092	N/A	0.0002	mg/L	2017-01-25	2017-01-25	
Mercury, total	< 0.00002	N/A	0.00002	mg/L	2017-01-24	2017-01-25	
Molybdenum, total	< 0.0001	N/A	0.0001	mg/L	2017-01-25	2017-01-25	
Nickel, total	< 0.0002	N/A	0.0002	mg/L	2017-01-25	2017-01-25	
Potassium, total	0.82	N/A	0.02	mg/L	2017-01-25	2017-01-25	
Selenium, total	< 0.0005	N/A	0.0005	mg/L	2017-01-25	2017-01-25	
Sodium, total	9.77	N/A	0.02	mg/L	2017-01-25	2017-01-25	
Uranium, total	0.00024	N/A	0.00002	mg/L	2017-01-25	2017-01-25	
Zinc, total	0.010	N/A	0.004	mg/L	2017-01-25	2017-01-25	

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Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
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Sample ID: 760 Ermineskin (7011349-01) [Water] Sampled: 2017-01-23 08:55, Continued

Microbiological Parameters

Coliforms, Total	<1	N/A	1	CFU/100 mL		2017-01-24	
E. coli	<1	N/A	1	CFU/100 mL		2017-01-24	

Sample ID: 1116 Herring Gull (7011349-02) [Water] Sampled: 2017-01-23 09:10

Anions

Chloride	25.2	N/A	0.10	mg/L	N/A	2017-01-25	
Fluoride	< 0.10	N/A	0.10	mg/L	N/A	2017-01-25	
Nitrate (as N)	1.19	N/A	0.010	mg/L	N/A	2017-01-25	
Nitrite (as N)	< 0.010	N/A	0.010	mg/L	N/A	2017-01-25	
Sulfate	7.1	N/A	1.0	mg/L	N/A	2017-01-25	

General Parameters

Alkalinity, Total (as CaCO3)	127	N/A	2	mg/L	N/A	2017-01-27	
Alkalinity, Phenolphthalein (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-01-27	
Alkalinity, Bicarbonate (as CaCO3)	127	N/A	2	mg/L	N/A	2017-01-27	
Alkalinity, Carbonate (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-01-27	
Alkalinity, Hydroxide (as CaCO3)	< 1	N/A	2	mg/L	N/A	2017-01-27	
Colour, True	< 5	N/A	5	CU	N/A	2017-01-25	
Conductivity (EC)	335	N/A	2	µS/cm	N/A	2017-01-27	
Cyanide, Total	< 0.0020	N/A	0.0020	mg/L	N/A	2017-01-25	
pH	7.56	N/A	0.01	pH units	N/A	2017-01-27	HT2
Temperature	20	N/A		°C	N/A	2017-01-27	HT2
Turbidity	< 0.10	N/A	0.10	NTU	N/A	2017-01-26	

Calculated Parameters

Hardness, Total (as CaCO3)	148	N/A	0.50	mg/L	N/A	N/A	
Langelier Index	-0.3	N/A	-5.0	-	N/A	2017-01-31	
Solids, Total Dissolved (calc)	174	N/A	1.00	mg/L	N/A	N/A	

Total Metals

Aluminum, total	< 0.005	N/A	0.005	mg/L	2017-01-25	2017-01-25	
Antimony, total	< 0.0001	N/A	0.0001	mg/L	2017-01-25	2017-01-25	
Arsenic, total	< 0.0005	N/A	0.0005	mg/L	2017-01-25	2017-01-25	
Barium, total	0.009	N/A	0.005	mg/L	2017-01-25	2017-01-25	
Boron, total	0.016	N/A	0.004	mg/L	2017-01-25	2017-01-25	
Cadmium, total	< 0.00001	N/A	0.00001	mg/L	2017-01-25	2017-01-25	
Calcium, total	33.6	N/A	0.2	mg/L	2017-01-25	2017-01-25	
Chromium, total	0.0007	N/A	0.0005	mg/L	2017-01-25	2017-01-25	
Cobalt, total	< 0.00005	N/A	0.00005	mg/L	2017-01-25	2017-01-25	
Copper, total	0.0117	N/A	0.0002	mg/L	2017-01-25	2017-01-25	
Iron, total	0.01	N/A	0.01	mg/L	2017-01-25	2017-01-25	
Lead, total	0.0006	N/A	0.0001	mg/L	2017-01-25	2017-01-25	
Magnesium, total	15.4	N/A	0.01	mg/L	2017-01-25	2017-01-25	
Manganese, total	0.0026	N/A	0.0002	mg/L	2017-01-25	2017-01-25	
Mercury, total	< 0.00002	N/A	0.00002	mg/L	2017-01-24	2017-01-25	
Molybdenum, total	< 0.0001	N/A	0.0001	mg/L	2017-01-25	2017-01-25	

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Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
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Sample ID: 1116 Herring Gull (7011349-02) [Water] Sampled: 2017-01-23 09:10, Continued

Total Metals, Continued

Nickel, total	0.0002	N/A	0.0002	mg/L	2017-01-25	2017-01-25	
Potassium, total	0.79	N/A	0.02	mg/L	2017-01-25	2017-01-25	
Selenium, total	< 0.0005	N/A	0.0005	mg/L	2017-01-25	2017-01-25	
Sodium, total	9.30	N/A	0.02	mg/L	2017-01-25	2017-01-25	
Uranium, total	0.00022	N/A	0.00002	mg/L	2017-01-25	2017-01-25	
Zinc, total	0.006	N/A	0.004	mg/L	2017-01-25	2017-01-25	

Microbiological Parameters

Coliforms, Total	<1	N/A	1	CFU/100 mL		2017-01-24	
E. coli	<1	N/A	1	CFU/100 mL		2017-01-24	

Sample / Analysis Qualifiers:

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

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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):** Laboratory reagent water is carried through sample preparation and analysis steps. Method Blanks indicate that results are free from contamination, i.e. not biased high from sources such as the sample container or the laboratory environment
- **Duplicate (Dup):** Preparation and analysis of a replicate aliquot of a sample. Duplicates provide a measure of the analytical method's precision, i.e. how reproducible a result is. Duplicates are only reported if they are associated with your sample data.
- **Blank Spike (BS):** A known amount of standard is carried through sample preparation and analysis steps. Blank Spikes, also known as laboratory control samples (LCS), are prepared from a different source of standard than used for the calibration. They ensure that the calibration is acceptable (i.e. not biased high or low) and also provide a measure of the analytical method's accuracy (i.e. closeness of the result to a target value).
- **Standard Reference Material (SRM):** A material of similar matrix to the samples, externally certified for the parameter(s) listed. Standard Reference Materials ensure that the preparation steps in the method are 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 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	MRL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
Anions, Batch B7A1252									
Blank (B7A1252-BLK1) Prepared: 2017-01-25, Analyzed: 2017-01-25									
Chloride	< 0.10	0.10 mg/L							
Fluoride	< 0.10	0.10 mg/L							
Nitrate (as N)	< 0.010	0.010 mg/L							
Nitrite (as N)	< 0.010	0.010 mg/L							
Sulfate	< 1.0	1.0 mg/L							
Blank (B7A1252-BLK2) Prepared: 2017-01-25, Analyzed: 2017-01-25									
Chloride	< 0.10	0.10 mg/L							
Fluoride	< 0.10	0.10 mg/L							
Nitrate (as N)	< 0.010	0.010 mg/L							
Nitrite (as N)	< 0.010	0.010 mg/L							
Sulfate	< 1.0	1.0 mg/L							
LCS (B7A1252-BS1) Prepared: 2017-01-25, Analyzed: 2017-01-25									
Chloride	16.0	0.10 mg/L	16.0		100	90-110			
Fluoride	4.01	0.10 mg/L	4.00		100	88-108			
Nitrate (as N)	3.99	0.010 mg/L	4.00		100	93-108			
Nitrite (as N)	2.00	0.010 mg/L	2.00		100	83-110			
Sulfate	15.7	1.0 mg/L	16.0		98	91-109			
LCS (B7A1252-BS2) Prepared: 2017-01-25, Analyzed: 2017-01-25									
Chloride	16.0	0.10 mg/L	16.0		100	90-110			
Fluoride	3.97	0.10 mg/L	4.00		99	88-108			
Nitrate (as N)	3.91	0.010 mg/L	4.00		98	93-108			
Nitrite (as N)	2.01	0.010 mg/L	2.00		101	83-110			
Sulfate	15.8	1.0 mg/L	16.0		99	91-109			
Duplicate (B7A1252-DUP1) Source: 7011349-01 Prepared: 2017-01-25, Analyzed: 2017-01-25									
Chloride	25.2	0.10 mg/L		25.6			2	10	
Fluoride	< 0.10	0.10 mg/L		< 0.10				10	
Nitrate (as N)	1.21	0.010 mg/L		1.19			2	10	
Nitrite (as N)	< 0.010	0.010 mg/L		< 0.010				6	
Sulfate	7.1	1.0 mg/L		7.1			< 1	6	

APPENDIX 1: QUALITY CONTROL DATA

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Analyte	Result	MRL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
Anions, Batch B7A1252, Continued									
Matrix Spike (B7A1252-MS1)		Source: 7011349-01		Prepared: 2017-01-25, Analyzed: 2017-01-25					
Chloride	41.1	0.10 mg/L	16.0	25.6	97	75-125			
Fluoride	3.75	0.10 mg/L	4.00	< 0.10	93	75-125			
Nitrate (as N)	5.24	0.010 mg/L	4.00	1.19	101	75-125			
Nitrite (as N)	1.98	0.010 mg/L	2.00	< 0.010	99	80-120			
Sulfate	22.7	1.0 mg/L	16.0	7.1	97	75-125			
General Parameters, Batch B7A1132									
Blank (B7A1132-BLK1)		Prepared: 2017-01-25, Analyzed: 2017-01-25							
Cyanide, Total	< 0.0020	0.0020 mg/L							
Blank (B7A1132-BLK2)		Prepared: 2017-01-25, Analyzed: 2017-01-25							
Cyanide, Total	< 0.0020	0.0020 mg/L							
LCS (B7A1132-BS1)		Prepared: 2017-01-25, Analyzed: 2017-01-25							
Cyanide, Total	0.0199	0.0020 mg/L	0.0200		100	85-115			
LCS (B7A1132-BS2)		Prepared: 2017-01-25, Analyzed: 2017-01-25							
Cyanide, Total	0.0186	0.0020 mg/L	0.0200		93	85-115			
LCS Dup (B7A1132-BSD1)		Prepared: 2017-01-25, Analyzed: 2017-01-25							
Cyanide, Total	0.0193	0.0020 mg/L	0.0200		96	85-115	3	10	
LCS Dup (B7A1132-BSD2)		Prepared: 2017-01-25, Analyzed: 2017-01-25							
Cyanide, Total	0.0189	0.0020 mg/L	0.0200		94	85-115	1	10	
General Parameters, Batch B7A1241									
Blank (B7A1241-BLK1)		Prepared: 2017-01-25, Analyzed: 2017-01-25							
Colour, True	< 5	5 CU							
LCS (B7A1241-BS1)		Prepared: 2017-01-25, Analyzed: 2017-01-25							
Colour, True	10	5 CU	10.0		100	85-115			
General Parameters, Batch B7A1294									
Blank (B7A1294-BLK1)		Prepared: 2017-01-27, Analyzed: 2017-01-27							
Alkalinity, Total (as CaCO3)	< 1	2 mg/L							
Alkalinity, Phenolphthalein (as CaCO3)	< 1	2 mg/L							
Alkalinity, Bicarbonate (as CaCO3)	< 1	2 mg/L							
Alkalinity, Carbonate (as CaCO3)	< 1	2 mg/L							
Alkalinity, Hydroxide (as CaCO3)	< 1	2 mg/L							
Conductivity (EC)	< 2	2 µS/cm							
Blank (B7A1294-BLK2)		Prepared: 2017-01-27, Analyzed: 2017-01-27							
Alkalinity, Total (as CaCO3)	< 1	2 mg/L							
Alkalinity, Phenolphthalein (as CaCO3)	< 1	2 mg/L							
Alkalinity, Bicarbonate (as CaCO3)	< 1	2 mg/L							
Alkalinity, Carbonate (as CaCO3)	< 1	2 mg/L							
Alkalinity, Hydroxide (as CaCO3)	< 1	2 mg/L							
Conductivity (EC)	< 2	2 µS/cm							
LCS (B7A1294-BS1)		Prepared: 2017-01-27, Analyzed: 2017-01-27							
Alkalinity, Total (as CaCO3)	102	2 mg/L	100		102	92-106			

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Analyte	Result	MRL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
General Parameters, Batch B7A1294, Continued									
LCS (B7A1294-BS2)			Prepared: 2017-01-27, Analyzed: 2017-01-27						
Alkalinity, Total (as CaCO3)	104	2 mg/L	100		104	92-106			
LCS (B7A1294-BS3)			Prepared: 2017-01-27, Analyzed: 2017-01-27						
Conductivity (EC)	1390	2 µS/cm	1410		98	95-104			
LCS (B7A1294-BS4)			Prepared: 2017-01-27, Analyzed: 2017-01-27						
Conductivity (EC)	1410	2 µS/cm	1410		100	95-104			
Reference (B7A1294-SRM1)			Prepared: 2017-01-27, Analyzed: 2017-01-27						
pH	6.96	0.01 pH units	7.00		99	98-102			
Reference (B7A1294-SRM2)			Prepared: 2017-01-27, Analyzed: 2017-01-27						
pH	6.97	0.01 pH units	7.00		100	98-102			
General Parameters, Batch B7A1360									
Blank (B7A1360-BLK1)			Prepared: 2017-01-26, Analyzed: 2017-01-26						
Turbidity	< 0.10	0.10 NTU							
Blank (B7A1360-BLK2)			Prepared: 2017-01-26, Analyzed: 2017-01-26						
Turbidity	< 0.10	0.10 NTU							
LCS (B7A1360-BS1)			Prepared: 2017-01-26, Analyzed: 2017-01-26						
Turbidity	40.3	0.10 NTU	40.0		101	90-110			
LCS (B7A1360-BS2)			Prepared: 2017-01-26, Analyzed: 2017-01-26						
Turbidity	40.5	0.10 NTU	40.0		101	90-110			
Total Metals, Batch B7A1179									
Blank (B7A1179-BLK1)			Prepared: 2017-01-24, Analyzed: 2017-01-25						
Mercury, total	< 0.00002	0.00002 mg/L							
Reference (B7A1179-SRM1)			Prepared: 2017-01-24, Analyzed: 2017-01-25						
Mercury, total	0.00486	0.00002 mg/L	0.00489		99	50-150			
Total Metals, Batch B7A1199									
Blank (B7A1199-BLK1)			Prepared: 2017-01-25, Analyzed: 2017-01-25						
Aluminum, total	< 0.005	0.005 mg/L							
Antimony, total	< 0.0001	0.0001 mg/L							
Arsenic, total	< 0.0005	0.0005 mg/L							
Barium, total	< 0.005	0.005 mg/L							
Boron, total	< 0.004	0.004 mg/L							
Cadmium, total	< 0.00001	0.00001 mg/L							
Calcium, total	< 0.2	0.2 mg/L							
Chromium, total	< 0.0005	0.0005 mg/L							
Cobalt, total	< 0.00005	0.00005 mg/L							
Copper, total	< 0.0002	0.0002 mg/L							
Iron, total	< 0.01	0.01 mg/L							
Lead, total	< 0.0001	0.0001 mg/L							
Magnesium, total	< 0.01	0.01 mg/L							
Manganese, total	< 0.0002	0.0002 mg/L							
Molybdenum, total	< 0.0001	0.0001 mg/L							
Nickel, total	< 0.0002	0.0002 mg/L							
Potassium, total	< 0.02	0.02 mg/L							

APPENDIX 1: QUALITY CONTROL DATA

REPORTED TO PROJECT Parksville, City of
Drinking Water Pkg

WORK ORDER REPORTED 7011349
2017-01-31

Analyte	Result	MRL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Notes
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Total Metals, Batch B7A1199, Continued

Blank (B7A1199-BLK1), Continued

Prepared: 2017-01-25, Analyzed: 2017-01-25

Selenium, total	< 0.0005	0.0005 mg/L							
Sodium, total	< 0.02	0.02 mg/L							
Uranium, total	< 0.00002	0.00002 mg/L							
Zinc, total	< 0.004	0.004 mg/L							

Duplicate (B7A1199-DUP1)

Source: 7011349-02

Prepared: 2017-01-25, Analyzed: 2017-01-25

Aluminum, total	< 0.005	0.005 mg/L		< 0.005				29	
Antimony, total	< 0.0001	0.0001 mg/L		< 0.0001				31	
Arsenic, total	< 0.0005	0.0005 mg/L		< 0.0005				15	
Barium, total	0.009	0.005 mg/L		0.009				9	
Boron, total	0.011	0.004 mg/L		0.016				29	
Cadmium, total	< 0.00001	0.00001 mg/L		< 0.00001				33	
Calcium, total	32.1	0.2 mg/L		33.6		5		12	
Chromium, total	0.0007	0.0005 mg/L		0.0007				12	
Cobalt, total	< 0.00005	0.00005 mg/L		< 0.00005				13	
Copper, total	0.0115	0.0002 mg/L		0.0117		2		37	
Iron, total	0.01	0.01 mg/L		0.01				18	
Lead, total	0.0006	0.0001 mg/L		0.0006		2		23	
Magnesium, total	14.7	0.01 mg/L		15.4		5		10	
Manganese, total	0.0026	0.0002 mg/L		0.0026		< 1		13	
Molybdenum, total	0.0001	0.0001 mg/L		< 0.0001				20	
Nickel, total	< 0.0002	0.0002 mg/L		0.0002				28	
Potassium, total	0.76	0.02 mg/L		0.79		4		13	
Selenium, total	< 0.0005	0.0005 mg/L		< 0.0005				24	
Sodium, total	8.88	0.02 mg/L		9.30		5		10	
Uranium, total	0.00020	0.00002 mg/L		0.00022		7		14	
Zinc, total	0.006	0.004 mg/L		0.006				8	

Reference (B7A1199-SRM1)

Prepared: 2017-01-25, Analyzed: 2017-01-25

Aluminum, total	0.296	0.005 mg/L		0.303	98			81-129	
Antimony, total	0.0522	0.0001 mg/L		0.0511	102			88-114	
Arsenic, total	0.118	0.0005 mg/L		0.118	100			88-114	
Barium, total	0.774	0.005 mg/L		0.823	94			72-104	
Boron, total	3.51	0.004 mg/L		3.45	102			75-121	
Cadmium, total	0.0484	0.00001 mg/L		0.0495	98			89-111	
Calcium, total	11.6	0.2 mg/L		11.6	100			86-121	
Chromium, total	0.246	0.0005 mg/L		0.250	98			89-114	
Cobalt, total	0.0389	0.00005 mg/L		0.0377	103			91-113	
Copper, total	0.496	0.0002 mg/L		0.486	102			91-115	
Iron, total	0.50	0.01 mg/L		0.488	103			77-124	
Lead, total	0.209	0.0001 mg/L		0.204	103			92-113	
Magnesium, total	3.82	0.01 mg/L		3.79	101			78-120	
Manganese, total	0.108	0.0002 mg/L		0.109	99			90-114	
Molybdenum, total	0.198	0.0001 mg/L		0.198	100			90-111	
Nickel, total	0.249	0.0002 mg/L		0.249	100			90-111	
Potassium, total	7.60	0.02 mg/L		7.21	105			84-113	
Selenium, total	0.128	0.0005 mg/L		0.121	106			85-115	
Sodium, total	7.71	0.02 mg/L		7.54	102			82-123	
Uranium, total	0.0314	0.00002 mg/L		0.0306	103			85-120	
Zinc, total	2.47	0.004 mg/L		2.49	99			85-111	



HELD BY: <i>Barb Silenievks</i>	DATE: <i>Jan 23, 17</i>	RECEIVED BY: <i>PORO TC</i>	DATE: <i>01/24</i>
	TIME: <i>9:20</i>		TIME: <i>9:30</i>
PROJECT INFO:			

REPORT TO:
 COMPANY: *City of Parksville*
 ADDRESS: *1116 Herring Gull Way*
 CONTACT: _____
 TEL/FAX: _____
 DELIVERY METHOD: EMAIL MAIL OTHER*
 DATA FORMAT: EXCEL WATERTRAX ESdat
 EQUIS BC EMS OTHER*
 EMAIL 1: *bsilenievks@parksville.ca*
 EMAIL 2: _____
 EMAIL 3: _____

COMPANY:
 ADDRESS: _____
 CONTACT: _____
 TEL/FAX: _____
 DELIVERY METHOD: EMAIL MAIL OTHER*
 EMAIL 1: _____
 EMAIL 2: _____
 EMAIL 3: _____
 PO #: _____

TURNAROUND TIME REQUESTED:
 Routine: (5-7 Days)
 Rush: 1 Day* 2 Day* 3 Day*
 Other* _____
 *Contact Lab To Confirm. Surcharge May Apply

REGULATORY APPLICATION:
 Canadian Drinking Water Quality Guidelines Regs on Report?
 BC Drinking Water Protection Act / Reg.
 BC CSR AB TIER 1 CCME OTHER*
 AL PL RL CL IL AW IW LW

ANALYSES REQUESTED:

CLIENT SAMPLE ID:	MATRIX:	SAMPLING:	COMMENTS:	BTEX	VPH	PHCF1	VOC	VPH	PHCF2-F4	PAH	L/HEPH	PHENOLS Chlorinated	Non-Chlor.	PCB	GLYCOLS	HAA	PESTICIDES	ACID HERBICIDES	METALS - WATER TOTAL	Hg	METALS - WATER DISSOLVED	Hg	METALS - SOIL (SALM)	inc. pH	pH	EC	ALK	TSS	VSS	TDS	BOD	COD	TOG	MOG	FECAL COLIFORMS	HPC	TOTAL COLIFORMS	E. coli	ASBESTOS	HOLD			
<i>760 Ermineskin</i>	<input checked="" type="checkbox"/> DRINKING WATER	<i>6 Jan 23, 17</i>	<i>8:55</i>																																								
<i>1116 Herring Gull</i>	<input checked="" type="checkbox"/> DRINKING WATER	<i>6 Jan 23, 17</i>	<i>9:10</i>																																								

** NEW ** If you would like to sign up for ClientConnect and/or EnviroChain, CARO's online service offerings, check here:

SAMPLED BY: *Barb Silenievks*

7011349
 CLIENT SAMPLE ID:

CLIENT SAMPLE ID:	DRINKING WATER	OTHER WATER	SOIL	OTHER	# CONTAINERS
<i>760 Ermineskin</i>	<input checked="" type="checkbox"/>				<i>6</i>
<i>1116 Herring Gull</i>	<input checked="" type="checkbox"/>				<i>6</i>

SHIPPING INSTRUCTIONS: Return Cooler(s)
 Supplies Needed: _____

SAMPLE RETENTION INSTRUCTIONS (Discarded 30 days after Report unless otherwise specified):
 60 Days 90 Days Longer Date (Surcharges will Apply): _____
 * OTHER INSTRUCTIONS: _____

PAYMENT:
 CHEQUE
 CREDIT
 DEBIT
 CASH
 INVOICE

SAMPLE RECEIPT CONDITION:
 COOLER 1 (°C): *10.1* ICE: Y N
 COOLER 2 (°C): _____ ICE: Y N
 COOLER 3 (°C): _____ ICE: Y N
 CUSTODY SEALS INTACT: