Maxxam
A Bureau Veritas Group Company

Success Through Science®

Your Project #: LEECH
Your C.O.C. #: 08460055

Attention: Christoph Moch

Capital Regional District
Water Department
479 Island Hwy
Victoria, BC
Canada V9B 1H7

Report Date: 2018/12/04
Report #: R2659849
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B8A4665
Received: 2018/11/29, 10:10

Sample Matrix: DRINKING WATER
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Hardness Total (calculated as CaCO3) (1)	2	N/A	2018/12/03	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (1)	4	N/A	2018/12/04	BBY WI-00033	Auto Calc
Mercury (Total) by CVAF	6	2018/12/04	2018/12/04	BBY7SOP-00015	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	2	N/A	2018/12/03	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total)	4	N/A	2018/12/04	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (total)	2	N/A	2018/12/01	BBY7SOP-00003,	EPA 6020b R2 m
Elements by CRC ICPMS (total)	4	2018/12/03	2018/12/03	BBY7SOP-00003 BBY7SOP-00002	EPA 6020b R2 m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing. Maxxam is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Maxxam, results relate to the supplied samples tested.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

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Encryption Key

Maxxam
04 Dec 2018 14:28:04

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Debbie Nordbruget, Project Manager
Email: DNordbruget@maxxam.ca
Phone# (250)385-6112
==========
This report has been generated and distributed using a secure automated process.
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Maxxam Job #: B8A4665
Report Date: 2018/12/04

Capital Regional District
Client Project #: LEECH

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID					UW2299			UW2300	UW2301	UW2302		
Sampling Date					2018/11/23 12:30			2018/11/23 09:26	2018/11/23 13:45	2018/11/23 10:00		
COC Number					08460055			08460055	08460055	08460055		
	UNITS	MAC	AO	OG	W.LEECH	RDL	QC Batch	WEEKS OUT	TUNNEL	LEECH HEAD	RDL	QC Batch
Total Metals by ICPMS												
Total Aluminum (Al)	ug/L	-	-	100	**166**	3.0	9250459	**468**	**122**	**179**	3.0	9250459
Total Antimony (Sb)	ug/L	6	-	-	<0.50	0.50	9250459	<0.50	<0.50	<0.50	0.50	9250459
Total Arsenic (As)	ug/L	10	-	-	0.10	0.10	9250459	0.17	<0.10	<0.10	0.10	9250459
Total Barium (Ba)	ug/L	1000	-	-	3.5	1.0	9250459	5.2	2.9	3.7	1.0	9250459
Total Beryllium (Be)	ug/L	-	-	-	<0.10	0.10	9250459	<0.10	<0.10	<0.10	0.10	9250459
Total Bismuth (Bi)	ug/L	-	-	-	<1.0	1.0	9250459	<1.0	<1.0	<1.0	1.0	9250459
Total Boron (B)	ug/L	5000	-	-	<50	50	9250459	<50	<50	<50	50	9250459
Total Cadmium (Cd)	ug/L	5	-	-	0.080	0.010	9250459	<0.010	<0.010	<0.010	0.010	9250459
Total Chromium (Cr)	ug/L	50	-	-	<1.0	1.0	9250459	<1.0	<1.0	<1.0	1.0	9250459
Total Cobalt (Co)	ug/L	-	-	-	<0.20	0.20	9250459	0.29	<0.20	<0.20	0.20	9250459
Total Copper (Cu)	ug/L	-	1000	-	1.08	0.50	9250459	1.43	0.81	1.04	0.50	9250459
Total Iron (Fe)	ug/L	-	300	-	80	10	9250459	**395**	57	129	10	9250459
Total Lead (Pb)	ug/L	10	-	-	<0.20	0.20	9250459	<0.20	<0.20	<0.20	0.20	9250459
Total Lithium (Li)	ug/L	-	-	-	<2.0	2.0	9250459	<2.0	<2.0	<2.0	2.0	9250459
Total Manganese (Mn)	ug/L	-	50	-	1.5	1.0	9250459	13.1	1.4	5.0	1.0	9250459
Total Mercury (Hg)	ug/L	1	-	-	<0.050	0.050	9250459					
Total Molybdenum (Mo)	ug/L	-	-	-	<1.0	1.0	9250459	<1.0	<1.0	<1.0	1.0	9250459
Total Nickel (Ni)	ug/L	-	-	-	<1.0	1.0	9250459	1.0	<1.0	<1.0	1.0	9250459
Total Selenium (Se)	ug/L	50	-	-	<0.10	0.10	9250459	<0.10	<0.10	<0.10	0.10	9250459
Total Silicon (Si)	ug/L	-	-	-	2220	100	9250459	2450	2220	2300	100	9250459
Total Silver (Ag)	ug/L	-	-	-	<0.020	0.020	9250459	<0.020	<0.020	0.023	0.020	9250459
Total Strontium (Sr)	ug/L	-	-	-	10.6	1.0	9250459	15.6	13.4	14.3	1.0	9250459
Total Thallium (Tl)	ug/L	-	-	-	<0.010	0.010	9250459	<0.010	<0.010	<0.010	0.010	9250459
Total Tin (Sn)	ug/L	-	-	-	<5.0	5.0	9250459	<5.0	<5.0	<5.0	5.0	9250459
Total Titanium (Ti)	ug/L	-	-	-	<5.0	5.0	9250459	11.6	<5.0	<5.0	5.0	9250459
Total Uranium (U)	ug/L	20	-	-	<0.10	0.10	9250459	<0.10	<0.10	<0.10	0.10	9250459
Total Vanadium (V)	ug/L	-	-	-	<5.0	5.0	9250459	<5.0	<5.0	<5.0	5.0	9250459
Total Zinc (Zn)	ug/L	-	5000	-	<5.0	5.0	9250459	<5.0	<5.0	<5.0	5.0	9250459
Total Zirconium (Zr)	ug/L	-	-	-	<0.10	0.10	9250459	<0.10	<0.10	<0.10	0.10	9250459

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit

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Capital Regional District
Client Project #: LEECH

TOT. METALS W/ CV HG FOR DRINKING WATER (DRINKING WATER)

Maxxam ID					UW2299		UW2300	UW2301	UW2302		
Sampling Date					2018/11/23 12:30		2018/11/23 09:26	2018/11/23 13:45	2018/11/23 10:00		
COC Number					08460055		08460055	08460055	08460055		
	UNITS	MAC	AO	OG	W.LEECH	QC Batch	WEEKS OUT	TUNNEL	LEECH HEAD	RDL	QC Batch
Calculated Parameters											
Total Hardness (CaCO3)	mg/L	-	-	-	5.10	9246395	7.88	7.33	8.14	0.50	9246395
Elements											
Total Mercury (Hg)	ug/L	1	-	-	<0.0020	9251585	<0.0020	<0.0020	<0.0020	0.0020	9251592
Total Metals by ICPMS											
Total Calcium (Ca)	mg/L	-	-	-	1.42	9247267	2.12	2.13	2.26	0.050	9247267
Total Magnesium (Mg)	mg/L	-	-	-	0.380	9247267	0.630	0.487	0.610	0.050	9247267
Total Potassium (K)	mg/L	-	-	-	0.153	9247267	0.112	0.124	0.092	0.050	9247267
Total Sodium (Na)	mg/L	-	200	-	1.68	9247267	1.68	1.62	1.63	0.050	9247267
Total Sulphur (S)	mg/L	-	-	-	<3.0	9247267	<3.0	<3.0	<3.0	3.0	9247267

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

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Client Project #: LEECH

TOT. METALS W/ CV HG FOR DRINKING WATER (DRINKING WATER)

Maxxam ID					UW2303	UW2304		
Sampling Date					2018/11/23 11:20	2018/11/23 09:07		
COC Number					08460055	08460055		
	UNITS	MAC	AO	OG	CRAGG CREEK	CHRIS CREEK	RDL	QC Batch
Calculated Parameters								
Total Hardness (CaCO3)	mg/L	-	-	-	8.47	8.25	0.50	9246395
Elements								
Total Mercury (Hg)	ug/L	1	-	-	<0.0020	<0.0020	0.0020	9251585
Total Metals by ICPMS								
Total Aluminum (Al)	ug/L	-	-	100	100	74.4	3.0	9249141
Total Antimony (Sb)	ug/L	6	-	-	<0.50	<0.50	0.50	9249141
Total Arsenic (As)	ug/L	10	-	-	<0.10	<0.10	0.10	9249141
Total Barium (Ba)	ug/L	1000	-	-	2.3	2.5	1.0	9249141
Total Beryllium (Be)	ug/L	-	-	-	<0.10	<0.10	0.10	9249141
Total Bismuth (Bi)	ug/L	-	-	-	<1.0	<1.0	1.0	9249141
Total Boron (B)	ug/L	5000	-	-	<50	<50	50	9249141
Total Cadmium (Cd)	ug/L	5	-	-	<0.010	<0.010	0.010	9249141
Total Chromium (Cr)	ug/L	50	-	-	<1.0	<1.0	1.0	9249141
Total Cobalt (Co)	ug/L	-	-	-	<0.20	<0.20	0.20	9249141
Total Copper (Cu)	ug/L	-	1000	-	0.60	1.28	0.20	9249141
Total Iron (Fe)	ug/L	-	300	-	30.6	28.8	5.0	9249141
Total Lead (Pb)	ug/L	10	-	-	<0.20	<0.20	0.20	9249141
Total Manganese (Mn)	ug/L	-	50	-	<1.0	1.2	1.0	9249141
Total Molybdenum (Mo)	ug/L	-	-	-	<1.0	<1.0	1.0	9249141
Total Nickel (Ni)	ug/L	-	-	-	<1.0	<1.0	1.0	9249141
Total Selenium (Se)	ug/L	50	-	-	<0.10	<0.10	0.10	9249141
Total Silicon (Si)	ug/L	-	-	-	2140	2300	100	9249141
Total Silver (Ag)	ug/L	-	-	-	<0.020	<0.020	0.020	9249141
Total Strontium (Sr)	ug/L	-	-	-	11.2	10.0	1.0	9249141
Total Thallium (Tl)	ug/L	-	-	-	<0.010	<0.010	0.010	9249141
Total Tin (Sn)	ug/L	-	-	-	<5.0	<5.0	5.0	9249141
Total Titanium (Ti)	ug/L	-	-	-	<5.0	<5.0	5.0	9249141
Total Uranium (U)	ug/L	20	-	-	<0.10	<0.10	0.10	9249141
Total Vanadium (V)	ug/L	-	-	-	<5.0	<5.0	5.0	9249141
Total Zinc (Zn)	ug/L	-	5000	-	<5.0	<5.0	5.0	9249141
Total Zirconium (Zr)	ug/L	-	-	-	<0.10	<0.10	0.10	9249141
Total Calcium (Ca)	mg/L	-	-	-	2.36	2.22	0.050	9247267
Total Magnesium (Mg)	mg/L	-	-	-	0.627	0.655	0.050	9247267

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit

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TOT. METALS W/ CV HG FOR DRINKING WATER (DRINKING WATER)

Maxxam ID					UW2303	UW2304		
Sampling Date					2018/11/23 11:20	2018/11/23 09:07		
COC Number					08460055	08460055		
	UNITS	MAC	AO	OG	CRAGG CREEK	CHRIS CREEK	RDL	QC Batch
Total Potassium (K)	mg/L	-	-	-	0.057	0.064	0.050	9247267
Total Sodium (Na)	mg/L	-	200	-	1.44	1.45	0.050	9247267
Total Sulphur (S)	mg/L	-	-	-	<3.0	<3.0	3.0	9247267

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	6.3°C

MAC,AO,OG: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, February 2017.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:
1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.
4. To ensure effectiveness of disinfection and for good operation of the distribution system, it is recommended that water entering the distribution system have turbidity levels of 1.0 NTU or less.
Measurement of Uncertainty has not been accounted for when stating conformity to the selected criteria, where applicable.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

Capital Regional District
Client Project #: LEECH

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9249141	Total Aluminum (Al)	2018/12/01	95	80 - 120	106	80 - 120	<3.0	ug/L	3.2	20
9249141	Total Antimony (Sb)	2018/12/01	95	80 - 120	106	80 - 120	<0.50	ug/L	NC	20
9249141	Total Arsenic (As)	2018/12/01	97	80 - 120	107	80 - 120	<0.10	ug/L	NC	20
9249141	Total Barium (Ba)	2018/12/01	95	80 - 120	106	80 - 120	<1.0	ug/L	0.10	20
9249141	Total Beryllium (Be)	2018/12/01	92	80 - 120	101	80 - 120	<0.10	ug/L	NC	20
9249141	Total Bismuth (Bi)	2018/12/01	93	80 - 120	102	80 - 120	<1.0	ug/L	NC	20
9249141	Total Boron (B)	2018/12/01	91	80 - 120	101	80 - 120	<50	ug/L	NC	20
9249141	Total Cadmium (Cd)	2018/12/01	96	80 - 120	106	80 - 120	<0.010	ug/L	NC	20
9249141	Total Chromium (Cr)	2018/12/01	93	80 - 120	105	80 - 120	<1.0	ug/L	NC	20
9249141	Total Cobalt (Co)	2018/12/01	93	80 - 120	104	80 - 120	<0.20	ug/L	NC	20
9249141	Total Copper (Cu)	2018/12/01	91	80 - 120	102	80 - 120	<0.20	ug/L	0.61	20
9249141	Total Iron (Fe)	2018/12/01	95	80 - 120	105	80 - 120	<5.0	ug/L	0.85	20
9249141	Total Lead (Pb)	2018/12/01	94	80 - 120	103	80 - 120	<0.20	ug/L	NC	20
9249141	Total Manganese (Mn)	2018/12/01	93	80 - 120	105	80 - 120	<1.0	ug/L	5.2	20
9249141	Total Molybdenum (Mo)	2018/12/01	99	80 - 120	109	80 - 120	<1.0	ug/L	NC	20
9249141	Total Nickel (Ni)	2018/12/01	93	80 - 120	104	80 - 120	<1.0	ug/L	NC	20
9249141	Total Selenium (Se)	2018/12/01	95	80 - 120	104	80 - 120	<0.10	ug/L	NC	20
9249141	Total Silicon (Si)	2018/12/01	97	80 - 120	104	80 - 120	<100	ug/L	0.29	20
9249141	Total Silver (Ag)	2018/12/01	94	80 - 120	105	80 - 120	<0.020	ug/L	NC	20
9249141	Total Strontium (Sr)	2018/12/01	97	80 - 120	107	80 - 120	<1.0	ug/L	1.0	20
9249141	Total Thallium (Tl)	2018/12/01	94	80 - 120	102	80 - 120	<0.010	ug/L	NC	20
9249141	Total Tin (Sn)	2018/12/01	96	80 - 120	107	80 - 120	<5.0	ug/L	NC	20
9249141	Total Titanium (Ti)	2018/12/01	97	80 - 120	104	80 - 120	<5.0	ug/L	NC	20
9249141	Total Uranium (U)	2018/12/01	97	80 - 120	106	80 - 120	<0.10	ug/L	NC	20
9249141	Total Vanadium (V)	2018/12/01	94	80 - 120	105	80 - 120	<5.0	ug/L	NC	20
9249141	Total Zinc (Zn)	2018/12/01	95	80 - 120	107	80 - 120	<5.0	ug/L	NC	20
9249141	Total Zirconium (Zr)	2018/12/01	96	80 - 120	105	80 - 120	<0.10	ug/L	NC	20
9250459	Total Aluminum (Al)	2018/12/03	104	80 - 120	105	80 - 120	<3.0	ug/L		
9250459	Total Antimony (Sb)	2018/12/03	104	80 - 120	106	80 - 120	<0.50	ug/L		
9250459	Total Arsenic (As)	2018/12/03	104	80 - 120	103	80 - 120	<0.10	ug/L		
9250459	Total Barium (Ba)	2018/12/03	103	80 - 120	104	80 - 120	<1.0	ug/L		
9250459	Total Beryllium (Be)	2018/12/03	99	80 - 120	100	80 - 120	<0.10	ug/L		

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9250459	Total Bismuth (Bi)	2018/12/03	99	80 - 120	104	80 - 120	<1.0	ug/L		
9250459	Total Boron (B)	2018/12/03	98	80 - 120	98	80 - 120	<50	ug/L		
9250459	Total Cadmium (Cd)	2018/12/03	101	80 - 120	103	80 - 120	<0.010	ug/L		
9250459	Total Chromium (Cr)	2018/12/03	101	80 - 120	102	80 - 120	<1.0	ug/L		
9250459	Total Cobalt (Co)	2018/12/03	99	80 - 120	100	80 - 120	<0.20	ug/L		
9250459	Total Copper (Cu)	2018/12/03	98	80 - 120	100	80 - 120	<0.50	ug/L		
9250459	Total Iron (Fe)	2018/12/03	104	80 - 120	104	80 - 120	<10	ug/L	4.7	20
9250459	Total Lead (Pb)	2018/12/03	101	80 - 120	105	80 - 120	<0.20	ug/L		
9250459	Total Lithium (Li)	2018/12/03	96	80 - 120	96	80 - 120	<2.0	ug/L		
9250459	Total Manganese (Mn)	2018/12/03	102	80 - 120	103	80 - 120	<1.0	ug/L		
9250459	Total Mercury (Hg)	2018/12/03	103	80 - 120	104	80 - 120	<0.050	ug/L		
9250459	Total Molybdenum (Mo)	2018/12/03	105	80 - 120	105	80 - 120	<1.0	ug/L		
9250459	Total Nickel (Ni)	2018/12/03	100	80 - 120	102	80 - 120	<1.0	ug/L		
9250459	Total Selenium (Se)	2018/12/03	103	80 - 120	103	80 - 120	<0.10	ug/L		
9250459	Total Silicon (Si)	2018/12/03	NC	80 - 120	103	80 - 120	<100	ug/L		
9250459	Total Silver (Ag)	2018/12/03	102	80 - 120	104	80 - 120	<0.020	ug/L		
9250459	Total Strontium (Sr)	2018/12/03	104	80 - 120	103	80 - 120	<1.0	ug/L		
9250459	Total Thallium (Tl)	2018/12/03	100	80 - 120	103	80 - 120	<0.010	ug/L		
9250459	Total Tin (Sn)	2018/12/03	103	80 - 120	104	80 - 120	<5.0	ug/L		
9250459	Total Titanium (Ti)	2018/12/03	105	80 - 120	103	80 - 120	<5.0	ug/L		
9250459	Total Uranium (U)	2018/12/03	102	80 - 120	103	80 - 120	<0.10	ug/L		
9250459	Total Vanadium (V)	2018/12/03	102	80 - 120	101	80 - 120	<5.0	ug/L		
9250459	Total Zinc (Zn)	2018/12/03	102	80 - 120	104	80 - 120	<5.0	ug/L		
9250459	Total Zirconium (Zr)	2018/12/03	104	80 - 120	100	80 - 120	<0.10	ug/L		
9251585	Total Mercury (Hg)	2018/12/04	92	80 - 120	91	80 - 120	<0.0020	ug/L	NC	20

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QUALITY ASSURANCE REPORT(CONT'D)

Capital Regional District
Client Project #: LEECH

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9251592	Total Mercury (Hg)	2018/12/04	97	80 - 120	96	80 - 120	<0.0020	ug/L	NC	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

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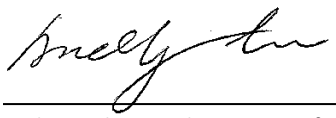
Capital Regional District
Client Project #: LEECH

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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A Bureau Veritas Group Company

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CHAIN OF CUSTODY R

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BBY FCD-00077/05

COC #

Page ____ of ____

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required
Company Name:	Capital Regional District	Company Name:	Capital Regional District	Quotation #:		[X] Regular TAT 5 days (Most analyses)
Contact Name:	Christoph Moch	Contact Name:	Christoph Moch, Jessica Dupuis, Jennifer Blaney	P.O. #/ AFE#:	Leech	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	479 Island Highway	Address:		Project #:		Rush TAT (Surcharges will be applied)
	Victoria, BC PC: V9B 1H7		PC:	Site Location:		[ ] Same Day [ ] 2 Days [ ] 1 Day [ ] 3 Days
Phone:	250-474-9603	Phone:	CM 250-474-9603; JD 250-474-9643; JB 250-474-9680	Site #:		
Email:	cmoch@crd.bc.ca	Email:	cmoch@crd.bc.ca; jdupuis@crd.bc.ca; jblaney@crd.bc.ca	Sampled By:		Date Required:

Regulatory Criteria	Special Instructions
[ ] BC CSR Soil [ ] BC CSR Water	[ ] Return Cooler
[ ] CCME (Specify) [ ] Other (Specify)	[ ] Ship Sample Bottles (Please Specify)
[X] Drinking Water [ ] BC Water Quality	

Rush Confirmation #:

SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM

	Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	BTEX/VPH	EPH	PAH	CCME-PHC	Dissolved Metals	Dissolved Mercury Preserved?	Dissolved Mercury Filtered?	Total Metals	Total Mercury	Chloride	TSS	pH	Nitrite	Bromate	Bromide	TOC	DBPs (THMs)	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	COMMENTS
1	W.Leech		2018-11-23	12:30	water						X		X												
2	Weeks out		2018-11-23	9:26	water						X		X												
3	Tunnel		2018-11-23	13:45	water						X		X												
4	Leech head		2018-11-23	10:00	water						X		X												
5	Cragg Creek		2018-11-23	11:20	water						X		X												
6	Chris Creek		2018-11-23	9:07	water						X		X												
7																									
8																									
9																									
10																									

LABORATORY USE ONLY

CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	
		7.6 | 6

COOLING MEDIA PRESENT (Y) / N

B8A4665_COC

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	MAXXAM JOB #
	2018/11/29	1010	S. OSTROPOVSKI	18/11/29	10:10	