

## Report Transmission Cover Page

Bill To: City of Parksville 1116 Herring Gull Way Parksville, BC, Canada V9P 1R2	Project ID: Project Name: Full Spectrum Project Location: City of Parksville LSD: P.O.: PO003647 Proj. Acct. code:	Lot ID: <b>1380838</b> Control Number: Date Received: Oct 2, 2019 Date Reported: Oct 9, 2019 Report Number: 2447204
Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

Contact	Company	Address
Accounts Payable	City of Parksville	1116 Herring Gull Way Parksville, BC V9P 1R2 Phone: (250) 951-2489 Fax: Email: ap@parksville.ca
<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>
Email - Single Report	PDF	Invoice
Barbara Silenieks	City of Parksville	1116 Herring Gull Way Parksville, BC V9P 1R2 Phone: (250) 951-2489 Fax: Email: bsilenieks@gmail.com
<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>
Email - Single Report	PDF	COA
Email - Single Report	PDF	COC / Test Report

### Notes To Clients:

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## Analytical Report

Bill To: City of Parksville 1116 Herring Gull Way Parksville, BC, Canada V9P 1R2	Project ID: Project Name: Full Spectrum Project Location: City of Parksville LSD: P.O.: PO003647 Proj. Acct. code:	Lot ID: <b>1380838</b> Control Number: Date Received: Oct 2, 2019 Date Reported: Oct 9, 2019 Report Number: 2447204
Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-1
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	09:15
<b>Sample Location</b>	
<b>Sample Description</b>	River Station
<b>Sample Matrix</b>	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
<b>Inorganic Nonmetallic Parameters</b>						
Cyanide	Total	mg/L	<0.002	0.002	0.2	Below MAC
<b>Metals Total</b>						
Calcium	Total	mg/L	11	0.01		
Magnesium	Total	mg/L	1.3	0.02		
Potassium	Total	mg/L	0.15	0.04		
Silicon	Total	mg/L	2.3	0.005		
Sodium	Total	mg/L	5.5	0.1	200	Below AO
Digestion	Preparation		Field Pres, digest as total Hg			
Mercury	Total	mg/L	<0.00001	0.00001	0.001	Below MAC
<b>Microbiological Analysis</b>						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	>200.5	1.0	0 per 100 mL	Above MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	6.4	1.0	0 per 100 mL	Above MAC
<b>Physical and Aggregate Properties</b>						
Colour	True	Colour units	<5	5		
Turbidity		NTU	1.97	0.1	0.1	Above AO
<b>Routine Water</b>						
Digestion	Dissolved		Lab filtered & preserved Exceeded			
pH - Holding Time						
pH	at 25 °C		6.67	0.01	7.0-10.5	Below Range
Electrical Conductivity		µS/cm at 25 °C	106	1		
T-Alkalinity	as CaCO3	mg/L	25	5		
Chloride	Dissolved	mg/L	13.1	0.05	250	Below AO
Fluoride	Dissolved	mg/L	<0.01	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	0.07	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	1.7	0.1	500	Below AO
Hardness	as CaCO3 (dissolved)	mg/L	31	5		
Total Dissolved Solids	Calculated	mg/L	53	1	500	Below AO
Langelier Index			-2.2			
<b>Trace Metals Total</b>						
Aluminum	Total	mg/L	0.059	0.001	0.1	Below OG
Antimony	Total	mg/L	0.00004	0.00002	0.006	Below MAC
Arsenic	Total	mg/L	0.0002	0.0001	0.010	Below MAC
Barium	Total	mg/L	0.0075	0.0001	1.0	Below MAC
Boron	Total	mg/L	0.014	0.002	5	Below MAC

**Analytical Report**

Bill To: City of Parksville 1116 Herring Gull Way Parksville, BC, Canada V9P 1R2	Project ID: Project Name: Full Spectrum Project Location: City of Parksville LSD: P.O.: PO003647 Proj. Acct. code:	Lot ID: <b>1380838</b> Control Number: Date Received: Oct 2, 2019 Date Reported: Oct 9, 2019 Report Number: 2447204
Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-1
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	09:15
<b>Sample Location</b>	
<b>Sample Description</b>	River Station
<b>Sample Matrix</b>	Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Trace Metals Total - Continued</b>						
Cadmium	Total	mg/L	<0.00001	0.00001	0.005	Below MAC
Chromium	Total	mg/L	0.00017	0.00005	0.05	Below MAC
Copper	Total	mg/L	0.0009	0.0002	1 AO; 2 MAC	Below AO
Iron	Total	mg/L	0.11	0.002	0.3	Below AO
Lead	Total	mg/L	0.00006	0.00001	0.005	Below MAC
Manganese	Total	mg/L	0.011	0.001	0.02 AO; 0.12 MAC	Below AO
Selenium	Total	mg/L	<0.0002	0.0002	0.05	Below MAC
Strontium	Total	mg/L	0.050	0.0001	7.0	Below MAC
Uranium	Total	mg/L	0.00001	0.00001	0.02	Below MAC
Zinc	Total	mg/L	0.0035	0.0005	5.0	Below AO

## Analytical Report

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Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-2
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	09:50
<b>Sample Location</b>	
<b>Sample Description</b>	Springwood Well #7
<b>Sample Matrix</b>	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
<b>Inorganic Nonmetallic Parameters</b>						
Cyanide	Total	mg/L	<0.002	0.002	0.2	Below MAC
<b>Metals Total</b>						
Calcium	Total	mg/L	38	0.01		
Magnesium	Total	mg/L	18	0.02		
Potassium	Total	mg/L	0.81	0.04		
Silicon	Total	mg/L	12	0.005		
Sodium	Total	mg/L	7.6	0.1	200	Below AO
Digestion	Preparation		Field Pres, digest as total Hg			
Mercury	Total	mg/L	<0.00001	0.00001	0.001	Below MAC
<b>Microbiological Analysis</b>						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
<b>Physical and Aggregate Properties</b>						
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.31	0.1	0.1	Above AO
<b>Routine Water</b>						
Digestion	Dissolved		Lab filtered & preserved Exceeded			
pH - Holding Time						
pH	at 25 °C		7.72	0.01	7.0-10.5	Within Range
Electrical Conductivity		µS/cm at 25 °C	369	1		
T-Alkalinity	as CaCO3	mg/L	149	5		
Chloride	Dissolved	mg/L	20.4	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.08	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	1.03	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	7.2	0.1	500	Below AO
Hardness	as CaCO3 (dissolved)	mg/L	157	5		
Total Dissolved Solids	Calculated	mg/L	213	1	500	Below AO
Langelier Index			0.04			
<b>Trace Metals Total</b>						
Aluminum	Total	mg/L	0.004	0.001	0.1	Below OG
Antimony	Total	mg/L	0.00004	0.00002	0.006	Below MAC
Arsenic	Total	mg/L	0.0002	0.0001	0.010	Below MAC
Barium	Total	mg/L	0.0060	0.0001	1.0	Below MAC
Boron	Total	mg/L	0.010	0.002	5	Below MAC

**Analytical Report**

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Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-2
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	09:50
<b>Sample Location</b>	
<b>Sample Description</b>	Springwood Well #7
<b>Sample Matrix</b>	Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Trace Metals Total - Continued</b>						
Cadmium	Total	mg/L	<0.00001	0.00001	0.005	Below MAC
Chromium	Total	mg/L	0.00076	0.00005	0.05	Below MAC
Copper	Total	mg/L	0.0010	0.0002	1 AO; 2 MAC	Below AO
Iron	Total	mg/L	0.015	0.002	0.3	Below AO
Lead	Total	mg/L	0.00027	0.00001	0.005	Below MAC
Manganese	Total	mg/L	0.010	0.001	0.02 AO; 0.12 MAC	Below AO
Selenium	Total	mg/L	<0.0002	0.0002	0.05	Below MAC
Strontium	Total	mg/L	0.098	0.0001	7.0	Below MAC
Uranium	Total	mg/L	0.00023	0.00001	0.02	Below MAC
Zinc	Total	mg/L	0.0027	0.0005	5.0	Below AO

## Analytical Report

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Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-3
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	10:05
<b>Sample Location</b>	
<b>Sample Description</b>	Springwood Well #11
<b>Sample Matrix</b>	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
<b>Inorganic Nonmetallic Parameters</b>						
Cyanide	Total	mg/L	<0.002	0.002	0.2	Below MAC
<b>Metals Total</b>						
Calcium	Total	mg/L	29	0.01		
Magnesium	Total	mg/L	13	0.02		
Potassium	Total	mg/L	0.68	0.04		
Silicon	Total	mg/L	12	0.005		
Sodium	Total	mg/L	8.1	0.1	200	Below AO
Digestion	Preparation		Field Pres, digest as total Hg			
Mercury	Total	mg/L	<0.00001	0.00001	0.001	Below MAC
<b>Microbiological Analysis</b>						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
<b>Physical and Aggregate Properties</b>						
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.45	0.1	0.1	Above AO
<b>Routine Water</b>						
Digestion	Dissolved		Lab filtered & preserved Exceeded			
pH - Holding Time						
pH	at 25 °C		7.63	0.01	7.0-10.5	Within Range
Electrical Conductivity		µS/cm at 25 °C	293	1		
T-Alkalinity	as CaCO3	mg/L	106	5		
Chloride	Dissolved	mg/L	21.5	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.08	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	1.36	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	5.4	0.1	500	Below AO
Hardness	as CaCO3 (dissolved)	mg/L	115	5		
Total Dissolved Solids	Calculated	mg/L	175	1	500	Below AO
Langelier Index			-0.3			
<b>Trace Metals Total</b>						
Aluminum	Total	mg/L	0.004	0.001	0.1	Below OG
Antimony	Total	mg/L	0.00004	0.00002	0.006	Below MAC
Arsenic	Total	mg/L	0.0003	0.0001	0.010	Below MAC
Barium	Total	mg/L	0.0065	0.0001	1.0	Below MAC
Boron	Total	mg/L	0.012	0.002	5	Below MAC

**Analytical Report**

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Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-3
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	10:05
<b>Sample Location</b>	
<b>Sample Description</b>	Springwood Well #11
<b>Sample Matrix</b>	Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Trace Metals Total - Continued</b>						
Cadmium	Total	mg/L	0.00001	0.00001	0.005	Below MAC
Chromium	Total	mg/L	0.00054	0.00005	0.05	Below MAC
Copper	Total	mg/L	0.0022	0.0002	1 AO; 2 MAC	Below AO
Iron	Total	mg/L	0.010	0.002	0.3	Below AO
Lead	Total	mg/L	0.00035	0.00001	0.005	Below MAC
Manganese	Total	mg/L	0.026	0.001	0.02 AO; 0.12 MAC	Above AO
Selenium	Total	mg/L	<0.0002	0.0002	0.05	Below MAC
Strontium	Total	mg/L	0.089	0.0001	7.0	Below MAC
Uranium	Total	mg/L	0.00008	0.00001	0.02	Below MAC
Zinc	Total	mg/L	0.0067	0.0005	5.0	Below AO

## Analytical Report

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Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-4
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	10:30
<b>Sample Location</b>	
<b>Sample Description</b>	Railway Well #6
<b>Sample Matrix</b>	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
<b>Inorganic Nonmetallic Parameters</b>						
Cyanide	Total	mg/L	<0.002	0.002	0.2	Below MAC
<b>Metals Total</b>						
Calcium	Total	mg/L	30	0.01		
Magnesium	Total	mg/L	15	0.02		
Potassium	Total	mg/L	0.75	0.04		
Silicon	Total	mg/L	10	0.005		
Sodium	Total	mg/L	8.7	0.1	200	Below AO
Digestion	Preparation		Field Pres, digest as total Hg			
Mercury	Total	mg/L	<0.00001	0.00001	0.001	Below MAC
<b>Microbiological Analysis</b>						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
<b>Physical and Aggregate Properties</b>						
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.34	0.1	0.1	Above AO
<b>Routine Water</b>						
Digestion	Dissolved		Lab filtered & preserved Exceeded			
pH - Holding Time						
pH	at 25 °C		7.78	0.01	7.0-10.5	Within Range
Electrical Conductivity		µS/cm at 25 °C	325	1		
T-Alkalinity	as CaCO3	mg/L	123	5		
Chloride	Dissolved	mg/L	24.7	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.08	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	0.57	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	5.1	0.1	500	Below AO
Hardness	as CaCO3 (dissolved)	mg/L	130	5		
Total Dissolved Solids	Calculated	mg/L	186	1	500	Below AO
Langelier Index			-0.06			
<b>Trace Metals Total</b>						
Aluminum	Total	mg/L	0.007	0.001	0.1	Below OG
Antimony	Total	mg/L	0.00004	0.00002	0.006	Below MAC
Arsenic	Total	mg/L	0.0009	0.0001	0.010	Below MAC
Barium	Total	mg/L	0.015	0.0001	1.0	Below MAC
Boron	Total	mg/L	0.013	0.002	5	Below MAC



**Analytical Report**

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Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-4
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	10:30
<b>Sample Location</b>	
<b>Sample Description</b>	Railway Well #6
<b>Sample Matrix</b>	Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Trace Metals Total - Continued</b>						
Cadmium	Total	mg/L	<0.00001	0.00001	0.005	Below MAC
Chromium	Total	mg/L	0.0012	0.00005	0.05	Below MAC
Copper	Total	mg/L	0.013	0.0002	1 AO; 2 MAC	Below AO
Iron	Total	mg/L	0.48	0.002	0.3	Above AO
Lead	Total	mg/L	0.0021	0.00001	0.005	Below MAC
Manganese	Total	mg/L	0.026	0.001	0.02 AO; 0.12 MAC	Above AO
Selenium	Total	mg/L	<0.0002	0.0002	0.05	Below MAC
Strontium	Total	mg/L	0.088	0.0001	7.0	Below MAC
Uranium	Total	mg/L	0.00058	0.00001	0.02	Below MAC
Zinc	Total	mg/L	0.0077	0.0005	5.0	Below AO

## Analytical Report

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Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-5
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	10:45
<b>Sample Location</b>	
<b>Sample Description</b>	Memorial
<b>Sample Matrix</b>	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
<b>Inorganic Nonmetallic Parameters</b>						
Cyanide	Total	mg/L	<0.002	0.002	0.2	Below MAC
<b>Metals Total</b>						
Calcium	Total	mg/L	11	0.01		
Magnesium	Total	mg/L	1.4	0.02		
Potassium	Total	mg/L	0.18	0.04		
Silicon	Total	mg/L	2.3	0.005		
Sodium	Total	mg/L	5.1	0.1	200	Below AO
Digestion	Preparation		Field Pres, digest as total Hg			
Mercury	Total	mg/L	<0.00001	0.00001	0.001	Below MAC
<b>Microbiological Analysis</b>						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
<b>Physical and Aggregate Properties</b>						
Colour	True	Colour units	<5	5		
Turbidity		NTU	1.00	0.1	0.1	Above AO
<b>Routine Water</b>						
Digestion	Dissolved		Lab filtered & preserved Exceeded			
pH - Holding Time						
pH	at 25 °C		6.86	0.01	7.0-10.5	Below Range
Electrical Conductivity		µS/cm at 25 °C	106	1		
T-Alkalinity	as CaCO3	mg/L	27	5		
Chloride	Dissolved	mg/L	13.9	0.05	250	Below AO
Fluoride	Dissolved	mg/L	<0.01	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	0.06	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	1.7	0.1	500	Below AO
Hardness	as CaCO3 (dissolved)	mg/L	31	5		
Total Dissolved Solids	Calculated	mg/L	55	1	500	Below AO
Langelier Index			-2.0			
<b>Trace Metals Total</b>						
Aluminum	Total	mg/L	0.024	0.001	0.1	Below OG
Antimony	Total	mg/L	0.00003	0.00002	0.006	Below MAC
Arsenic	Total	mg/L	0.0002	0.0001	0.010	Below MAC
Barium	Total	mg/L	0.0062	0.0001	1.0	Below MAC
Boron	Total	mg/L	0.013	0.002	5	Below MAC

**Analytical Report**

Bill To: City of Parksville 1116 Herring Gull Way Parksville, BC, Canada V9P 1R2	Project ID: Project Name: Full Spectrum Project Location: City of Parksville LSD: P.O.: PO003647 Proj. Acct. code:	Lot ID: <b>1380838</b> Control Number: Date Received: Oct 2, 2019 Date Reported: Oct 9, 2019 Report Number: 2447204
Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

<b>Reference Number</b>	1380838-5
<b>Sample Date</b>	October 01, 2019
<b>Sample Time</b>	10:45
<b>Sample Location</b>	
<b>Sample Description</b>	Memorial
<b>Sample Matrix</b>	Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Trace Metals Total - Continued</b>						
Cadmium	Total	mg/L	<0.00001	0.00001	0.005	Below MAC
Chromium	Total	mg/L	0.00039	0.00005	0.05	Below MAC
Copper	Total	mg/L	0.056	0.0002	1 AO; 2 MAC	Below AO
Iron	Total	mg/L	0.069	0.002	0.3	Below AO
Lead	Total	mg/L	0.00041	0.00001	0.005	Below MAC
Manganese	Total	mg/L	0.001	0.001	0.02 AO; 0.12 MAC	Below AO
Selenium	Total	mg/L	<0.0002	0.0002	0.05	Below MAC
Strontium	Total	mg/L	0.047	0.0001	7.0	Below MAC
Uranium	Total	mg/L	<0.00001	0.00001	0.02	Below MAC
Zinc	Total	mg/L	0.0059	0.0005	5.0	Below AO

Approved by:   
 Anthony Neumann, MSc  
 General Manager

## Methodology and Notes

Bill To: City of Parksville 1116 Herring Gull Way Parksville, BC, Canada V9P 1R2	Project ID: Project Name: Full Spectrum Project Location: City of Parksville LSD: P.O.: PO003647 Proj. Acct. code:	Lot ID: <b>1380838</b> Control Number: Date Received: Oct 2, 2019 Date Reported: Oct 9, 2019 Report Number: 2447204
Attn: Accounts Payable Sampled By: Barbara Silenieks Company: City of Parksville		

## Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Oct 2, 2019	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Oct 2, 2019	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Oct 2, 2019	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Oct 2, 2019	Element Vancouver
Cyanide (Total) in water	US EPA	* US EPA method, 335.3	Oct 3, 2019	Element Edmonton - Roper Road
Mercury Low Level (Total) in water (VAN)	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	Oct 3, 2019	Element Vancouver
Metals SemiTrace (Dissolved) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Oct 3, 2019	Element Vancouver
Metals SemiTrace (Total) in Water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Oct 7, 2019	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Oct 2, 2019	Element Vancouver
Trace Metals (Total) in Water (VAN)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Oct 7, 2019	Element Vancouver
True Color in water (VAN)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	Oct 3, 2019	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Oct 3, 2019	Element Vancouver

\* Reference Method Modified

## References

APHA	Standard Methods for the Examination of Water and Wastewater
EPA	Environmental Protection Agency Test Methods - US
US EPA	US Environmental Protection Agency Test Methods

## Guidelines

Guideline Description	Health Canada GCDWQ
Guideline Source	Guidelines for Canadian Drinking Water Quality, Health Canada, June 2019
Guideline Comments	MAC = Maximum Acceptable Concentration AO = Aesthetic Objective OG = Operational Guideline for Water Treatment Plants (does not apply to private groundwater wells). Refer to Health Canada for complete guidelines at <a href="http://www.hc-sc.gc.ca">www.hc-sc.gc.ca</a>

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services group.  
Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.