Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Report Transmission Cover Page

Bill To: City of Parksville
100 Jensen Avenue E
Parksville, BC, Canada
V9P 2H3
Attn: Accounts Payable
Sampled By:
Company: City of Parksville

Project ID:
Project Name: Full Spectrum
Project Location:
LSD:
P.O.:
Proj. Acct. code:

Lot ID: **1806356**
Control Number:
Date Received: Apr 9, 2025
Date Reported: Apr 15, 2025
Report Number: 3124725
Report Type: Final Report

Contact	Company	Address
Accounts Payable	**City of Parksville**	100 Jensen Avenue E Parksville, BC V9P 2H3 Phone: (250) 954-4652 Fax: Email: ap@parksville.ca

Delivery	Format	Deliverables
Email	PDF	Invoice

Contact	Company	Address
Barbara Silenieks	**City of Parksville**	1116 Herring Gull Way Parksville, BC V9P 1R2 Phone: (250) 951-2489 Fax: Email: bsilenieks@parksville.ca

Delivery	Format	Deliverables
Email	PDF	COA
Email - Merge	PDF	COC / Test Report
Email - Merge	Standard Crosstab Without Tabs	Test Report

Notes To Clients:

- Sample 1806356-2; 9903643: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for sample 1806356-2. Detection limits are adjusted accordingly.

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Analytical Report

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V9P 2H3
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Sampled By:
Company: City of Parksville

Project ID:
Project Name: Full Spectrum
Project Location:
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P.O.:
Proj. Acct. code:

Lot ID: **1806356**
Control Number:
Date Received: Apr 9, 2025
Date Reported: Apr 15, 2025
Report Number: 3124725
Report Type: Final Report

Reference Number	1806356-1	1806356-2	1806356-3
Sample Date	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Sample Time	09:00	10:10	09:30
Sample Location			
Sample Description	Community Park / 5.5 °C	Railway Well # 8 / 5.5 °C	Reservoir # 4 / 5.5 °C
Matrix	Water	Water	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Inorganic Nonmetallic Parameters						
Cyanide	Total	mg/L	<0.002	<0.002	<0.002	0.002
Metals Total						
Calcium	Total	mg/L	5.9	38	26	0.01
Magnesium	Total	mg/L	1.2	19	12	0.02
Potassium	Total	mg/L	0.16	0.69	0.60	0.04
Silicon	Total	mg/L	3.2	11	8.5	0.005
Sodium	Total	mg/L	12	7.5	11	0.1
Digestion	Preparation		Field Pres, digest as total Hg	Field Pres, digest as total Hg	Field Pres, digest as total Hg	
Mercury	Total	mg/L	<0.00001	<0.00001	<0.00001	0.00001
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	<1.0	<1.0	1.0
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	<1.0	<1.0	1.0
Physical and Aggregate Properties						
Colour	True	Colour units	<5	<5	<5	5
Turbidity		NTU	0.16	0.17	0.18	0.1
Routine Water						
Digestion	Dissolved		Lab filtered & preserved	Lab filtered & preserved	Lab filtered & preserved	
pH			7.44	7.66	7.53	0.01
pH - Holding Time			Exceeded	Exceeded	Exceeded	
Electrical Conductivity	at 25 °C	µS/cm	95	382	282	1
T-Alkalinity	as CaCO3	mg/L	33	119	99	5
Chloride	Dissolved	mg/L	7.03	37.0	21.9	0.05
Fluoride	Dissolved	mg/L	<0.01	0.02	0.01	0.01
Nitrate - N	Dissolved	mg/L	0.03	0.74	0.83	0.01
Nitrite - N	Dissolved	mg/L	<0.01	<0.01	<0.01	0.01
Sulfate (SO4)	Dissolved	mg/L	1.6	12.3	5.5	0.1
Hardness	as CaCO3 (dissolved)	mg/L	21	180	122	5
Total Dissolved Solids	Calculated	mg/L	58	224	168	1
Langelier Index			-1.6	-0.08	-0.4	
Trace Metals Total						
Aluminum	Total	mg/L	0.017	<0.001	0.006	0.001
Antimony	Total	mg/L	0.00002	<0.00002	0.00002	0.00002
Arsenic	Total	mg/L	0.0002	0.0003	0.0003	0.0001
Barium	Total	mg/L	0.0018	0.0099	0.0094	0.0001
Boron	Total	mg/L	0.008	0.008	0.010	0.002
Cadmium	Total	mg/L	<0.00001	0.00001	0.00002	0.00001
Chromium	Total	mg/L	0.00011	0.00072	0.00041	0.00005

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Analytical Report

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Parksville, BC, Canada
V9P 2H3
Attn: Accounts Payable
Sampled By:
Company: City of Parksville

Project ID:
Project Name: Full Spectrum
Project Location:
LSD:
P.O.:
Proj. Acct. code:

Lot ID: **1806356**
Control Number:
Date Received: Apr 9, 2025
Date Reported: Apr 15, 2025
Report Number: 3124725
Report Type: Final Report

Reference Number	1806356-1	1806356-2	1806356-3
Sample Date	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Sample Time	09:00	10:10	09:30
Sample Location			
Sample Description	Community Park / 5.5 °C	Railway Well # 8 / 5.5 °C	Reservoir # 4 / 5.5 °C
Matrix	Water	Water	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Trace Metals Total - Continued						
Copper	Total	mg/L	0.0046	0.0010	0.0002	0.0002
Iron	Total	mg/L	0.012	0.009	0.010	0.002
Lead	Total	mg/L	0.00007	0.00025	<0.00001	0.00001
Manganese	Total	mg/L	<0.001	0.023	0.007	0.001
Selenium	Total	mg/L	<0.0002	0.0006	<0.0002	0.0002
Strontium	Total	mg/L	0.019	0.11	0.081	0.0001
Uranium	Total	mg/L	0.00002	0.00029	0.00020	0.00001
Zinc	Total	mg/L	0.0042	0.0041	0.0055	0.0005

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Project Name: Full Spectrum
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LSD:
P.O.:
Proj. Acct. code:

Lot ID: **1806356**
Control Number:
Date Received: Apr 9, 2025
Date Reported: Apr 15, 2025
Report Number: 3124725
Report Type: Final Report

Reference Number	1806356-4
Sample Date	Apr 08, 2025
Sample Time	09:55
Sample Location	
Sample Description	Springwood Well # 1 / 5.5 °C
Matrix	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Inorganic Nonmetallic Parameters						
Cyanide	Total	mg/L	<0.002			0.002
Metals Total						
Calcium	Total	mg/L	18			0.01
Magnesium	Total	mg/L	9.3			0.02
Potassium	Total	mg/L	0.53			0.04
Silicon	Total	mg/L	12			0.005
Sodium	Total	mg/L	6.4			0.1
Digestion	Preparation		Field Pres, digest as total Hg			
Mercury	Total	mg/L	<0.00001			0.00001
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0			1.0
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0			1.0
Physical and Aggregate Properties						
Colour	True	Colour units	<5			5
Turbidity		NTU	0.16			0.1
Routine Water						
Digestion	Dissolved		Lab filtered & preserved			
pH			7.47			0.01
pH - Holding Time			Exceeded			
Electrical Conductivity	at 25 °C	µS/cm	195			1
T-Alkalinity	as CaCO3	mg/L	72			5
Chloride	Dissolved	mg/L	10.1			0.05
Fluoride	Dissolved	mg/L	0.03			0.01
Nitrate - N	Dissolved	mg/L	1.32			0.01
Nitrite - N	Dissolved	mg/L	<0.01			0.01
Sulfate (SO4)	Dissolved	mg/L	3.8			0.1
Hardness	as CaCO3 (dissolved)	mg/L	86			5
Total Dissolved Solids	Calculated	mg/L	132			1
Langelier Index			-0.8			
Trace Metals Total						
Aluminum	Total	mg/L	<0.001			0.001
Antimony	Total	mg/L	<0.00002			0.00002
Arsenic	Total	mg/L	0.0002			0.0001
Barium	Total	mg/L	0.0027			0.0001
Boron	Total	mg/L	0.006			0.002
Cadmium	Total	mg/L	<0.00001			0.00001
Chromium	Total	mg/L	0.00028			0.00005

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

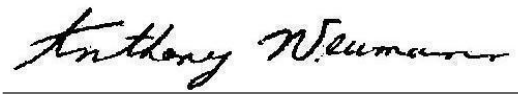
Project ID:
Project Name: Full Spectrum
Project Location:
LSD:
P.O.:
Proj. Acct. code:

Lot ID: **1806356**
Control Number:
Date Received: Apr 9, 2025
Date Reported: Apr 15, 2025
Report Number: 3124725
Report Type: Final Report

Reference Number	1806356-4
Sample Date	Apr 08, 2025
Sample Time	09:55
Sample Location	
Sample Description	Springwood Well # 1 / 5.5 °C
Matrix	Water

Analyte		Units	Results	Results	Results	Nominal Detection Limit
Trace Metals Total - Continued						
Copper	Total	mg/L	0.0011			0.0002
Iron	Total	mg/L	0.020			0.002
Lead	Total	mg/L	0.00010			0.00001
Manganese	Total	mg/L	0.010			0.001
Selenium	Total	mg/L	<0.0002			0.0002
Strontium	Total	mg/L	0.056			0.0001
Uranium	Total	mg/L	0.00004			0.00001
Zinc	Total	mg/L	0.013			0.0005

Approved by:



Anthony Neumann, MSc
General Manager

Data have been validated by Analytical Quality Control and Element's Integrated Data Validation System (IDVS).
Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

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Methodology and Notes

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Company: City of Parksville

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Project Name: Full Spectrum
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Proj. Acct. code:

Lot ID: **1806356**
Control Number:
Date Received: Apr 9, 2025
Date Reported: Apr 15, 2025
Report Number: 3124725
Report Type: Final Report

Method of Analysis

Method Name	Reference		Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	*	Alkalinity - Titration Method, 2320 B	Apr 11, 2025	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	*	Conductivity, 2510 B	Apr 11, 2025	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	*	pH - Electrometric Method, 4500-H+ B	Apr 11, 2025	Element Vancouver
Anions by IEC in water (VAN)	APHA	*	Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Apr 09, 2025	Element Vancouver
Cyanide (Total) in water	US EPA	*	US EPA method, 335.3	Apr 14, 2025	Element Edmonton - Roper Road
Mercury Low Level (Total) in water (VAN)	EPA	*	Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	Apr 09, 2025	Element Vancouver
Metals SemiTrace (Dissolved) in water (VAN)	US EPA	*	Metals & Trace Elements by ICP-AES, 6010C	Apr 10, 2025	Element Vancouver
Metals SemiTrace (Total) in Water (VAN)	US EPA	*	Metals & Trace Elements by ICP-AES, 6010C	Apr 10, 2025	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA		Enzyme Substrate Test, APHA 9223 B	Apr 09, 2025	Element Vancouver
Trace Metals (Total) in Water (VAN)	US EPA	*	Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Apr 10, 2025	Element Vancouver
True Color in water (VAN)	APHA	*	Spectrophotometric - Single Wavelength Method, 2120 C	Apr 11, 2025	Element Vancouver
Turbidity - Water (VAN)	APHA	*	Turbidity - Nephelometric Method, 2130 B	Apr 09, 2025	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

Comments:

- Sample 1806356-2; 9903643: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for sample 1806356-2. Detection limits are adjusted accordingly.

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Project Information

Project ID:
Project Name: Full Spec.
Project Location:
Legal Location:
PO/AFE#:
Proj. Acct. Code:
Quote #:

Invoice To

Company: City of Parksville
Address:
Attention:
Phone:
Cell:
E-mail:
Government Funded Work YES / NO
SRP #
Agreement ID:

Report To

Company: City of Parksville
Address:
Attention:
Phone:
Cell:
Fax:
E-mail 1: bsilenieks@parksville.ca
E-mail 2:
Copy of Invoice: YES / NO

Additional Reports to

1) Name:
E-mail:
2) Name:
E-mail:

Sample Custody

Sampled by:
Company: City of Parksville
I authorize Element to proceed with the work indicated on this form:
Signature:
Date/Time: April 8, 2025

RUSH Priority

- [ ] Same Day (200%)
- [ ] Next Day/Two Day (100%)
- [ ] Three or Four Days (50%)
- [x] 5 to 7 Days (Regular TAT)

Date Required

When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match. Please contact the lab prior to submitting RUSH samples. If not all samples require RUSH, please indicate in the special instructions.

Report Results

- [x] Email
- [ ] QA/QC
- [ ] Online
- [x] PDF
- [ ] Fax
- [x] Excel

Requirements

- [ ] HCDWQ
- [ ] SPIGEC
- [ ] AB Tier 1
- [ ] BCCSR

Other (list below)

Special Instructions/Comments (please include contact information including phone number if different from above).

	Site I.D.	Sample Description	Depth start	Depth end	Date/Time sampled	Matrix	Sampling method	Number of Containers #	MeOH Field Preserved? ✓	Full spectrum	Enter tests above (✓ relevant samples below)
1	Community Park				9:00 April 8					✓	
2	Railway well #8				10:10 April 8					✓	
3	Reservoir #4				9:30 April 8					✓	
4	Springwood well #1				9:55 April 8					✓	
5	Springwood well #2										
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Please indicate any potentially hazardous samples

Submission of this form acknowledges acceptance of Element's Standard of terms and conditions (https://www.element.com/terms/terms-and-conditions)

Page _____ of _____ Control #

ED 120-06

Lot: 1806356 COC
City of Parksville

Temp. received: 5.5 °C
Date/Time stamp:
Delivery Method: Purolator
Waybill:
Received by: LC