

**Report Transmission Cover Page**

Bill To: City of Parksville 1116 Herring Gull Way Parksville, BC, Canada V9P 1R2	Project ID: Project Name: HAA + THM Project Location: LSD: P.O.: S22-5095 Proj. Acct. code:	Lot ID: <b>1731536</b> Control Number: Date Received: May 14, 2024 Date Reported: May 23, 2024 Report Number: 3003574 Report Type: Final Report
Attn: Accounts Payable Sampled By: Barb Silenieks Company: City of Parksville		

Contact	Company	Address
<b>Accounts Payable</b>	<b>City of Parksville</b>	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	PDF	Invoice
<b>Barbara Silenieks</b>	<b>City of Parksville</b>	1116 Herring Gull Way Parksville, BC V9P 1R2 Phone: (250) 951-2489 Fax: Email: bsilenieks@parksville.ca
<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>
Email	PDF	COA
Email - Merge	PDF	COC / Test Report
Email - Merge	Standard Crosstab Without Tabs	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: HAA + THM Project Location: LSD:	Lot ID: <b>1731536</b> Control Number: Date Received: May 14, 2024 Date Reported: May 23, 2024 Report Number: 3003574 Report Type: Final Report
Attn: Accounts Payable Sampled By: Barb Silenieks Company: City of Parksville	P.O.: S22-5095 Proj. Acct. code:	

	Reference Number	1731536-1	1731536-2	1731536-3		
	Sample Date	May 13, 2024	May 13, 2024	May 13, 2024		
	Sample Time	08:50	09:05	09:20		
	Sample Location	Community Park / 9.1 °C	Temple / 9.1 °C	Ermineskin / 9.1 °C		
	Matrix	Water	Water	Water		
Analyte	Units	Results	Results	Results	Nominal Detection Limit	
<b>Haloacetic Acids - Water</b>						
Monochloroacetic Acid	µg/L	<2.0	<2.0	<2.0	2.0	
Monobromoacetic Acid	µg/L	<2.0	<2.0	<2.0	2.0	
Dichloroacetic Acid	µg/L	8.3	4.3	4.5	2.0	
Trichloroacetic Acid	µg/L	4.8	2.6	2.7	2.0	
Bromochloroacetic Acid	µg/L	<2.0	<2.0	<2.0	2.0	
Dibromoacetic Acid	µg/L	<2.0	<2.0	<2.0	2.0	
Total Haloacetic Acids (HAA6)	µg/L	13.1	7.0	7.2	12.0	
2,3-Dibromopropionic acid	%	81	81	80	50-150	
<b>VOC Screen - Water</b>						
Bromodichloromethane	µg/L	4.4	4.2	3.2	0.5	
Bromoform	µg/L	0.7	1.1	0.9	0.5	
Chloroform	µg/L	18.0	8.9	9.6	0.5	
Dibromochloromethane	µg/L	2.3	3.3	2.6	0.5	
Total Trihalomethanes	µg/L	25.4	17.5	16.2		
<b>VOC - Water - Surrogate Recovery</b>						
Bromofluorobenzene	EPA Surrogate	%	109	102	109	50-140
Dibromofluoromethane	EPA Surrogate	%	89	94	95	50-140
Toluene-d8	EPA Surrogate	%	113	115	116	50-140

**Analytical Report**

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<b>Reference Number</b>	1731536-4	1731536-5
<b>Sample Date</b>	May 13, 2024	May 13, 2024
<b>Sample Time</b>	08:25	08:30
<b>Sample Location</b>		
<b>Sample Description</b>	Public Works (PWY) / 9.1 °C	Water Treatment Plant (WTP) / 9.1 °C
<b>Matrix</b>	Water	Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
<b>Haloacetic Acids - Water</b>					
Monochloroacetic Acid	µg/L	<2.0	<2.0		2.0
Monobromoacetic Acid	µg/L	<2.0	<2.0		2.0
Dichloroacetic Acid	µg/L	15.1	7.8		2.0
Trichloroacetic Acid	µg/L	8.3	3.8		2.0
Bromochloroacetic Acid	µg/L	<2.0	<2.0		2.0
Dibromoacetic Acid	µg/L	<2.0	<2.0		2.0
Total Haloacetic Acids (HAA6)	µg/L	23.4	11.6		12.0
2,3-Dibromopropionic acid	%	81	86		50-150
<b>VOC Screen - Water</b>					
Bromodichloromethane	µg/L	4.7	1.9		0.5
Bromoform	µg/L	<0.5	<0.5		0.5
Chloroform	µg/L	39.4	13.5		0.5
Dibromochloromethane	µg/L	<0.5	<0.5		0.5
Total Trihalomethanes	µg/L	44.1	15.3		
<b>VOC - Water - Surrogate Recovery</b>					
Bromofluorobenzene	EPA Surrogate	%	104	95	50-140
Dibromofluoromethane	EPA Surrogate	%	96	94	50-140
Toluene-d8	EPA Surrogate	%	115	119	50-140

Approved by:   
 Max Hewitt  
 Operations Manager

### Methodology and Notes

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### Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Haloacetic Acids - Water	US EPA	* Determination of Haloacetic Acids and Dalapon in drinking water by liquid-liquid microextraction, derivatization, and gas chromatography with electron capture detection, 552.3	May 16, 2024	Element Calgary
VOC - BC Water	US EPA	* Volatile Organic Compounds by GCMS / Purge and Trap for Aqueous Samples, 8260/5030	May 21, 2024	Element Vancouver

*\* Reference Method Modified*

### References

US EPA      US Environmental Protection Agency Test Methods

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.



**Project Information**

Project ID: \_\_\_\_\_  
 Project Name: HAA + THM  
 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: 1116 Herring Gull Way  
 Attention: Barbara Silenieks  
 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: Barb Silenieks  
 Company: City of Parksville  
 I authorize Element to proceed with the work indicated on this form:  
 Signature: [Signature] 9:40  
 Date/Time: MAY 13, 2024

**RUSH Priority**

Same Day (200%)  
 Next Day/Two Day (100%)  
 Three or Four Days (50%)  
 5 to 7 Days (Regular TAT)  
 Date Required \_\_\_\_\_

**Report Results**

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.

Email  QA/QC  
 Online  PDF  
 Fax  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 end in cm m	Date/Time sampled	Matrix	Sampling method	#	Enter tests above (✓ relevant samples below)																
							MeOH Field Preserved?																
1	Community Park		MAY 13, 8:50			4	X	X															
2	Temple		MAY 13, 9:05			4	X	X															
3	Ermineskin		MAY 13, 9:20			4	X	X															
4	Public Works Yard (PWY)		MAY 13, 8:25			4	X	X															
5	Water Treatment Plant (WTP)		MAY 13, 8:30			4	X	X															
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>)

Lot: 1731536 <sup>COC</sup>

Temp. received: 9.1 °C Date/Time stamp: MAY 14 9:24 '24  
 Delivery Method: DURO  
 Waybill: \_\_\_\_\_  
 Received by: [Signature]