

Environment and Climate Change

# Industrial Effluent Compliance 2022 Annual Report

November 2023



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## Executive Summary

The Newfoundland and Labrador Department of Environment and Climate Change (ECC) regulates effluent discharge under the *Environmental Control Water and Sewage Regulations NLR 65/03* (ECWSR). In April 2009, the ECWSR was amended. The amendment adopted specific discharge limits from the corresponding federal regulations for each of the mining, pulp and paper and petroleum refining industrial sectors. Facilities operating under a certificate of approval (COA) from the Pollution Prevention Division (PPD) have effluent streams identified and subsequent monitoring schedules developed to characterize the effluent. These schedules are designed to ensure that the effluent discharged from the facility meets regulatory requirements and is protective of the receiving environment.

ECC works closely with facilities within Newfoundland and Labrador to ensure that they are continuing to improve the quality of effluent discharged into the receiving environment. Through this working relationship, as well as through relationships with other stakeholders, the Department strives to attain mutual goals of environmental sustainability and protection.

Copies of the ECWSR, the Metal and Diamond Mining Effluent Regulations, the Pulp and Paper Effluent Regulations and the Petroleum Refinery Liquid Effluent Regulations can be obtained at:

[www.assembly.nl.ca/Legislation/sr/Regulations/rc030065.htm](http://www.assembly.nl.ca/Legislation/sr/Regulations/rc030065.htm)

<https://laws-lois.justice.gc.ca/PDF/SOR-2002-222.pdf>

<https://laws-lois.justice.gc.ca/PDF/SOR-92-269.pdf>

<https://laws-lois.justice.gc.ca/PDF/C.R.C., c. 828.pdf>

In 2022, there were more than 30 facilities reporting effluent quality to ECC on a consistent basis. This report provides a summary of the effluent quality discharged at these facilities within the province of Newfoundland and Labrador. It is important to note that the summaries provided are for the discharge locations only. Most facilities conduct additional monitoring for general water quality characterization at discharge points, as well as other locations in proximity to operations. Some facilities operating in the province also participate in Environmental Effects Monitoring (EEM) programs. This report identifies EEM activities completed in 2022.

### Points to Note:

- The data presented is based upon reports submitted to ECC by industry, as of October 2023.
- The actual laboratory documentation is available upon request to verify analysis as required.
- If there is a discrepancy between the results depicted in this report and the laboratory documentation, the laboratory documentation is to be considered accurate.
- Detailed data summary tables for each discharge location are found in Appendix A. With respect to the 'Overall' column in the data summary tables, the 'Overall' number of samples and exceedances are the total for the year. The 'Overall' maximum and monthly average are the highest reported value for the year.

## Facilities

### Atlantic Minerals Limited

#### Lower Cove

<u>2022 COA</u>	Approval #:	AA19-115654
	Issue Date:	November 26, 2019
	Expiration:	March 31, 2024

Atlantic Minerals Limited (Lower Cove) discharged effluent at three locations in 2022. There was one TSS exceedance reported at the HiCal Sampling Point #1.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 1: Atlantic Minerals Lower Cove 2022 DL Quarry 1 (Goose Pond)  
Table 2: Atlantic Minerals Lower Cove 2022 DL Quarry 2  
Table 3: Atlantic Minerals Lower Cove 2022 HiCal Sampling Point #1

#### Corner Brook

<u>2022 Monitoring</u>	As per letter from PPD
	Issue Date: March 10, 2005

Atlantic Minerals Limited (Corner Brook) collected samples at two locations in 2022. There were two TDS exceedances reported at the Shale Quarry.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 4: Atlantic Minerals Corner Brook 2022 Series 1  
Table 5: Atlantic Minerals Corner Brook 2022 Shale Quarry

### Barite Mud Services Incorporated

<u>2022 COA</u>	Approval #:	AA20-065662
	Issue Date:	June 26, 2020
	Expiration:	June 26, 2025

Barite Mud Services Incorporated collected samples at two locations in 2022. There were seven lead, one barium and one TSS exceedances reported at TP1. There were two lead and two zinc exceedances reported at the Siphon Discharge.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 6: Barite Mud Services 2022 TP1  
Table 7: Barite Mud Services 2022 Siphon Discharge

### Beaver Brook Antimony Mine Incorporated

<u>2022 COA</u>	Approval #:	AA18-035647
	Issue Date:	March 19, 2018

Expiration: March 19, 2023

Beaver Brook Antimony Mine Incorporated has one discharge location, Site 16. There were eight pH exceedances reported.

#### Environmental Effects Monitoring

The Beaver Brook Antimony Mine Incorporated Cycle 4 Study Design was reviewed in 2022.

See Table 8: Beaver Brook 2022 Site 16

### **Braya Renewable Fuels**

<u>2022 COA</u>	Approval #:	AA22-045668
	Issue Date:	April 28, 2022
	Expiration:	April 28, 2027

Braya Renewable Fuels has one discharge point, the outfall to sea location. There were nine ammonia, one pH, two total phosphate, two sulphide and ten TSS exceedances reported.

#### Environmental Effects Monitoring

The Braya Renewable Fuels 2021 Marine EEM Study was reviewed in 2022.

See Table 9: Braya Renewable Fuels 2022 Outfall to Sea

### **Canada Fluorspar Incorporated**

<u>2022 COA</u>	Approval #:	AA17-075644
	Issue Date:	July 5, 2017
	Expiration:	July 5, 2022
	Extension:	September 30, 2022
	Approval #:	AA22-085691
	Issue Date:	August 17, 2022
	Expiration:	August 17, 2027

Canada Fluorspar Incorporated discharges effluent from four locations, WQ STA 22, WQ STA 23, WQ STA 24 and WQ STA 25. In 2022, there were five nitrate exceedances reported at WQ STA 22. There were two ammonia exceedances reported at WQ STA 23. There were three lead, four TSS and one ammonia exceedances reported at WQ STA 24. There was one TSS exceedance reported at WQ STA 25.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 10: Canada Fluorspar Incorporated 2022 WQ STA 22  
Table 11: Canada Fluorspar Incorporated 2022 WQ STA 23  
Table 12: Canada Fluorspar Incorporated 2022 WQ STA 24  
Table 13: Canada Fluorspar Incorporated 2022 WQ STA 25

## **Carino Processing Limited**

2022 COA                      Approval #:      AA20-055660  
                                         Issue Date:      May 29, 2020  
                                         Expiration:      December 31, 2023

Carino Processing Limited has one effluent discharge location. In 2022, there were twelve BOD, four iron, six ammonia, three pH, nineteen phenolics, five TDS, nine oil and grease and ten TSS exceedances reported.

### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2022 for Carino Processing Limited.

See      Table 14: Carino 2022 Effluent Discharge

## **Cenovus Energy Incorporated – Atlantic (Argentina)**

2022 COA                      Approval #:      AA22-035666  
                                         Issue Date:      March 29, 2022  
                                         Expiration:      March 29, 2027

Cenovus Energy Incorporated – Atlantic Region has two effluent discharge locations, the Settlement Pond #1 weir and the Settlement Pond #2 weir. In 2022, there were nine ammonia and two TDS exceedance reported at Settlement Pond #1 weir. There were nine ammonia and eight TDS exceedances reported at Settling Pond #2 weir.

### Environmental Effects Monitoring

There is no EEM program at this site.

See      Table 15: Cenovus Energy Incorporated (Argentina) 2022 Settlement Pond #1 Weir  
            Table 16: Cenovus Energy Incorporated (Argentina) 2022 Settlement Pond #2 Weir

## **Central Regional Waste Services Board**

2022 COA                      Approval #:      WMS-17-12-001  
                                         Issue Date:      December 1, 2017  
                                         Expiration:      December 31, 2022

The Central Regional Services Board has one discharge location at SW9. In 2022, there were three ammonia, two nitrate, one TDS and one TSS exceedances reported at SW9.

### Environmental Effects Monitoring

There is no EEM program at this site.

See      Table 17: Central Regional Waste Services Board 2022 SW9

## **City of St. John's – Robin Hood Bay Landfill**

2022 COA                      Approval #:      WMS-2019-02-001  
                                         Issue Date:      March 7, 2019  
                                         Expiration:      February 28, 2024

The Robin Hood Bay Regional Waste Management Facility has one discharge location, LW2. LW2 discharges to the City of St. John's sewer. In 2022, there were three iron exceedances reported at LW2.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 18: City of St. John's – Robin Hood Bay Landfill 2022 LW2

**Corner Brook Pulp and Paper Limited**

<u>2022 COA</u>	Approval #:	AA19-115653
	Issue Date:	November 27, 2019
	Expiration:	July 7, 2023

Corner Brook Pulp and Paper Limited has two discharge locations, East Sewer and Effluent Treatment. There was one *Daphnia magna* ALT failure reported at the East Sewer in 2022.

Environmental Effects Monitoring

There were no EEM submissions in 2022 for Corner Brook Pulp and Paper.

See Table 19: Corner Brook Pulp and Paper 2022 East Sewer  
Table 20: Corner Book Pulp and Paper 2022 Effluent Treatment  
Table 21: Corner Brook Pulp and Paper 2022 Total Mill Discharge

**Country Ribbon Incorporated**

<u>2022 COA</u>	Approval #:	WMS-18-05-001
	Issue Date:	May 31, 2018
	Expiration:	May 31, 2022
	Approval #:	WMS-18-05-001
	Issue Date:	May 31, 2022
	Expiration:	May 31, 2027

Country Ribbon Incorporated has one discharge location designated as Post DAF Sampling. In 2022, thirty-two BOD, two orthophosphate, six total oil and grease, and six TSS exceedances were reported at this location.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 22: Country Ribbon Incorporated (White Hills Road) 2022 Post DAF Sampling

**Department of Industry, Energy and Technology (Buchans)**

<u>2022 Monitoring</u>	As per letter from PPD
	Issue Date: April 18, 2018

Several locations are sampled near the town of Buchans, NL by the Department of Industry, Energy and Technology. Five of these locations discharge into the environment. In 2022, two zinc exceedances were reported at the PH1 & PH2 Combined location. One barium, two lead, one TSS and one zinc exceedance were reported at Site 1. Two cadmium, two



copper, two lead and two zinc exceedances were reported at Site 12. Two zinc exceedances were report at Site 17 and one zinc exceedance was reported at Site 2.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 23: Department of Industry, Energy and Technology (Buchans) 2022 PH1 & PH2 Combined  
Table 24: Department of Industry, Energy and Technology (Buchans) 2022 Site 1  
Table 25: Department of Industry, Energy and Technology (Buchans) 2022 Site 12  
Table 26: Department of Industry, Energy and Technology (Buchans) 2022 Site 17  
Table 27: Department of Industry, Energy and Technology (Buchans) 2022 Site 2

### **Department of Industry, Energy and Technology (Hope Brook)**

2022 Monitoring As per letter from PPD  
Issue Date: April 18, 2018

The Hope Brook mine site has been remediated by the Government of Newfoundland and Labrador. The Department of Industry, Energy and Technology monitored effluent from five areas of the mine site in 2022. There was one pH exceedance at Pine Pond.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 28: Department of Industry, Energy and Technology (Hope Brook) 2022 BHB#6  
Table 29: Department of Industry, Energy and Technology (Hope Brook) 2022 Banana Pond  
Table 30: Department of Industry, Energy and Technology (Hope Brook) 2022 Inlet to BHB  
Table 31: Department of Industry, Energy and Technology (Hope Brook) 2022 Open Pit Spillway  
Table 32: Department of Industry, Energy and Technology (Hope Brook) 2022 Pine Pond

### **Department of Transportation and Infrastructure (Grand Falls)**

2022 Monitoring As per email from PPD  
Issue Date: January 14, 2020

The Department of Transportation and Infrastructure samples the discharge located at the North Sewer of the remediated pulp and paper site in Grand Falls. There were no exceedances reported in 2022.

#### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 33: Department of Transportation and Infrastructure (Grand Falls) 2022 North Sewer

### **GFL Environmental Services Incorporated**

2022 COA Approval #: WMS-07-07-017  
Issue Date: April 1, 2018  
Amended: August 25, 2020  
Expiration: March 31, 2023

GFL Environmental Services Incorporated has one effluent discharge location. There was one total phosphate exceedances reported in 2022.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 34: GFL Environmental Services 2022 Waste Water Discharge

**Iron Ore Company of Canada**

<u>2022 COA</u>	Approval #:	AA13-045575B
	Issue Date:	April 9, 2013
	Amended:	June 27, 2018
	Expiration:	April 9, 2018
	Extension:	June 30, 2022
	Approval #:	AA22-065670
	Issue Date:	June 28, 2022
	Expiration:	June 28, 2027

The Iron Ore Company of Canada collected samples at ten discharge locations in 2022. There were two Rainbow Trout ALT failures at FDP-HC. There was one TSS exceedance at FDP-MD30 and one TSS exceedance at FDP-MP-06.

Environmental Effects Monitoring

The Iron Ore Company of Canada Carol Lake Cycle 7 Study Design was reviewed in 2022.

- See Table 35: Iron Ore Company of Canada (Labrador City) 2022 FDP-HC
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- Table 43: Iron Ore Company of Canada (Labrador City) 2022 PD-19
- Table 44: Iron Ore Company of Canada (Labrador City) 2022 PD-25

**Labatt Breweries**

<u>2022 COA</u>	Approval #:	AA15-075607
	Issue Date:	July 27, 2015
	Expiration:	July 27, 2020
	Extension:	December 31, 2023

Labatt Breweries has one discharge point designated Water Chemistry. In 2022, there were forty-six BOD, two orthophosphate, twenty-three pH, twenty-one total phosphorus and thirty-two TSS exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 45: Labatt Breweries Newfoundland (St. John’s) 2022 Water Chemistry

## Marine Contractors Incorporated

<u>2022 COA</u>	Approval #:	WMS-07-08-020
	Issue Date:	April 30, 2020
	Expiration:	April 30, 2025

Marine Contractors Incorporated has one discharge location. There were no exceedances reported in 2022.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 46: Marine Contractors Incorporated (Stephenville) 2022 Lagoon

## Molson Coors Canada

<u>2022 COA</u>	Approval #:	AA17-065642
	Issue Date:	June 30, 2017
	Expiration:	June 30, 2022
	Extension:	December 31, 2023

Molson Coors Canada has one discharge point designated Water Chemistry. In 2022, there were four BOD and five pH exceedances reported at this site.

### Environmental Effects Monitoring

There is no EEM program at this site.

See Table 47: Molson Coors Canada (St. John's) 2022 Water Chemistry

## Newfoundland and Labrador Hydro (Holyrood)

<u>2022 COA</u>	Approval #:	AA16-105640A
	Issue Date:	October 31, 2016
	Amendment:	April 2, 2018
	Expiration:	August 31, 2021
	Extension:	June 30, 2022
	Approval #:	AA22-065671
	Issue Date:	June 30, 2022
	Expiration:	June 30, 2027

The Newfoundland and Labrador Hydro Thermal Generating Station located in Holyrood samples effluent discharge at five locations. In 2022, there was one pH and one TDS exceedance reported at the Continuous Basin, and one TPH exceedance reported at OS2.

### Environmental Effects Monitoring

There were no EEM submissions in 2022 for Newfoundland and Labrador Hydro.

See Table 48: Newfoundland and Labrador Hydro (Holyrood) 2022 CT-OS  
Table 49: Newfoundland and Labrador Hydro (Holyrood) 2022 Continuous Basin  
Table 50: Newfoundland and Labrador Hydro (Holyrood) 2022 OS1

Table 51: Newfoundland and Labrador Hydro (Holyrood) 2022 OS2  
Table 52: Newfoundland and Labrador Hydro (Holyrood) 2022 WWTP

## Newfoundland Transshipment Limited

2022 COA                      Approval #:      AA18-035648  
                                         Issue Date:      March 13, 2018  
                                         Expiration:      March 12, 2023

Newfoundland Transshipment Limited monitors water quality at nine locations. In 2022, there were no exceedances reported.

### Environmental Effects Monitoring

There were no EEM submissions in 2022 for Newfoundland Transshipment Limited.

See      Table 53: Newfoundland Transshipment Limited 2022 Oily Water Separator  
            Table 54: Newfoundland Transshipment Limited 2022 Remote Impoundment Pond  
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## Pardy's Waste Management (Incinerator Road)

2022 COA                      Approval #:      WMS-15-10-013  
                                         Issue Date:      November 1, 2020  
                                         Expiration:      November 1, 2025

Pardy's Waste Management has one discharge location from the wastewater treatment plant at the Incinerator Road location. In 2022, there were two TDS and one nitrate exceedances reported.

### Environmental Effects Monitoring

There is no EEM program at this site.

See      Table 62: Pardy's Waste Management (Incinerator Road) 2022 Waste Water Treatment Plant

## Pardy's Waste Management (Donovans Industrial Park)

2022 COA                      Approval #:      WMS-15-10-010  
                                         Issue Date:      March 10, 2020  
                                         Expiration:      December 31, 2025

Pardy's Waste Management (Donovans Industrial Park) has one effluent discharge location. In 2022, there were no exceedances reported.

### Environmental Effects Monitoring

There is no EEM program at this site.

See      Table 63: Pardy's Waste Management (Donovans Industrial Park) 2022 Treated Wastewater

## Rambler Metals and Mining Canada Limited

<u>2022 COA</u>	Approval #:	AA18-065651
	Issue Date:	June 15, 2018
	Amended:	July 3, 2019
	Expiration:	March 31, 2023

Rambler Metals and Mining Canada Limited discharges effluent from the No.2 Polishing Pond at the Nugget Pond mill site and Treated Mine Effluent from the Ming Mine site. There were no exceedances reported in 2022.

### Environmental Effects Monitoring

The Rambler Metals and Mining Canada Limited Nugget Pond Cycle Six Interpretive Report was reviewed in 2022.

See Table 64: Rambler Metals and Mining 2022 No.2 Polishing Pond  
Table 65: Rambler Metals and Mining 2022 Treated Mine Effluent

## Signal Gold Incorporated

<u>2022 COA</u>	Approval #:	AA20-095663
	Issue Date:	September 21, 2022
	Amended:	October 4, 2022
	Expiration:	September 21, 2025

Signal Gold Incorporated discharged effluent from the Polishing Pond and Argyle FDP in 2022. There was one *Daphnia magna* ALT failure and one Rainbow Trout ALT failure at the Argyle FDP.

### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2022 for Signal Gold Incorporated.

See Table 66: Signal Gold 2022 Polishing Pond Discharge (FDP)  
Table 67: Signal Gold 2022 Argyle (FDP)

## Tacora Resources

<u>2022 COA</u>	Approval #:	AA18-015646
	Issue Date:	January 22, 2018
	Expiration:	January 22, 2023

Tacora Resources collected samples from five discharge points in 2022. There were eight TSS exceedances at the Knoll Lake Discharge, and two TSS exceedances at the Tailings Line Emergency Dump Basin.

### Environmental Effects Monitoring

The Tacora Resources Scully Mine Cycle Six Interpretive Report was reviewed in 2022. The Tacora Resources Scully Mine Cycle Seven Study Design was reviewed in 2022.

See Table 68: Tacora Resources (Wabush) 2022 East Pit 2 Dewatering (Sylvio Settling Basin)  
Table 69: Tacora Resources (Wabush) 2022 Flora Lake Discharge  
Table 70: Tacora Resources (Wabush) 2022 Knoll Lake Discharge (Settling Basin)  
Table 71: Tacora Resources (Wabush) 2022 Tailings Line Emergency Dump Basin (Settling Basin)  
Table 72: Tacora Resources (Wabush) 2022 West Pit Dewatering (Settling Basin)

## **Tata Steel Minerals Canada Limited**

<u>2022 COA</u>	Approval #:	AA18-055650B
	Issue Date:	May 14, 2018
	Amended:	July 29, 2020
	Expiration:	July 29, 2025

Tata Steel Minerals Canada Limited discharged effluent from one location in 2022, COASW11. There were no reported exceedances in 2022.

### Environmental Effects Monitoring

The Tata Steel Mineral Canada Limited Cycle Four Study Design was reviewed in 2022.

See Table 73: Tata Steel Minerals Canada Limited 2022 COASW11

## **Teck Resources Limited**

<u>2022 Monitoring</u>	Duck Pond Closure Water Quality Monitoring Program
	Issue Date: November 25, 2015

Teck Resources Limited discharged effluent at the Dam C location in 2022. There were no exceedances reported.

### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2022 for Teck Resources Limited.

See Table 74: Teck Resources (Millertown) 2022 Dam C

## **Vale Newfoundland and Labrador Limited (Long Harbour)**

<u>2022 COA</u>	Approval #:	AA20-065661
	Issue Date:	June 12, 2020
	Expiration:	December 31, 2023

Vale Newfoundland and Labrador Limited (Long Harbour) discharged effluent from six locations in 2022. There were no exceedances reported in 2022.

### Environmental Effects Monitoring

The Vale Newfoundland and Labrador Limited (Long Harbour) Cycle Two Interpretive Report was reviewed in 2022. The Vale Newfoundland and Labrador Limited (Long Harbour) Cycle Three Study Design was reviewed in 2022.

See Table 75: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 D11  
Table 76: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 D2  
Table 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 D25  
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## Vale Newfoundland and Labrador Limited (Voisey's Bay)

### 2022 COA

Approval #: AA20-055659C  
Issue Date: May 5, 2020  
Amendment: April 12, 2023  
Expiration: December 31, 2023

Vale Newfoundland and Labrador Limited (Voisey's Bay) mine site discharged effluent from two locations in 2022. There were six *Daphnia magna* ALT failures and one Rainbow Trout ALT failure reported at the Treated Effluent discharge location.

### Environmental Effects Monitoring

There were no EEM submissions reviewed in 2022 for Vale Newfoundland and Labrador Limited (Voisey's Bay).

See Table 81: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2022 Port Site Sed Pond  
Table 82: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2022 Treated Effluent Discharge

## Conclusion

ECC regulates effluent discharged from the industrial sectors of the province. The nature of these industries and the types of effluent generated are very different and specific; no two industries are exactly the same. Differences within the industrial facilities and the receiving environment make this a dynamic field that must be constantly monitored and reviewed.

The industries operating within Newfoundland and Labrador are diligent in working with ECC to achieve the mutual goals of environmental sustainability and protection.

Additional effluent monitoring and water quality monitoring data from the industrial sector is available upon request.

For further information related to industrial effluent quality and monitoring, please contact the Pollution Prevention Division at:

Pollution Prevention Division  
Newfoundland and Labrador  
Department of Environment and Climate Change  
PO Box 8700  
St. John's, NL A1B 4J6

(709) 729-2556



## Acronyms

ALT	- Acute Lethality Test
BOD	- Biological Oxygen Demand
COA	- Certificate of Approval
ECWSR	- Environmental Control Water and Sewage Regulations, 2003 (NLR 65/03)
EEM	- Environmental Effects Monitoring
ECC	- NL Department of Environment and Climate Change
MDMER	- Metal and Diamond Mining Effluent Regulations
PPD	- Pollution Prevention Division
TDS	- Total Dissolved Solids
TOG	- Total Oil and Grease
TPH	- Total Petroleum Hydrocarbons
TSS	- Total Suspended Solids
UOM	- Unit of Measure

## Appendix A: Effluent Data Summary Tables

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**TABLE 1: Atlantic Minerals Lower Cove 2022 DL Quarry 1 (Goose Pond)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	<0.10	0	<0.10	0	<0.10	0	0	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0.05	0	0.05	0	0.05	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	<1.0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0.5	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Barium	UG/L	Maximum	0	0	0	97	0	210	0	170	0	180	0	0	210
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	97	0	210	0	170	0	180	0	0	210
Total Boron	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Boron	UG/L	Maximum	0	0	0	<50	0	<50	0	<50	0	<50	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	25	0	25	0	25	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0	0	0	<0.010	0	<0.010	0	<0.010	0	<0.010	0	0	<0.010
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0.005	0	0.005	0	0.005	0	0.005	0	0	0.005
Total Chromium	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Chromium	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	<1.0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0.5	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Copper	UG/L	Maximum	0	0	0	0.53	0	1	0	0.89	0	0.9	0	0	1
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0.53	0	1	0	0.89	0	0.9	0	0	1

**TABLE 1 CONTINUED: Atlantic Minerals Lower Cove 2022 DL Quarry 1 (Goose Pond)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Iron	UG/L	Maximum	0	0	0	57	0	170	0	220	0	100	0	0	220
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	57	0	170	0	220	0	100	0	0	220
Total Nickel	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Nickel	UG/L	Maximum	0	0	0	<2.0	0	<2.0	0	<2.0	0	<2.0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	1	0	1	0	1	0	1	0	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Ammonia	MG/L	Maximum	0	0	0	0.13	0	0.12	0	0.16	0	0.29	0	0	0.29
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0.13	0	0.12	0	0.16	0	0.29	0	0	0.29
Nitrate	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Nitrate	MG/L	Maximum	0	0	0	0.62	0	0.72	0	0.54	0	1.1	0	0	1.1
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0.62	0	0.72	0	0.54	0	1.1	0	0	1.1
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	<0.010	0	<0.010	0	<0.010	0	0	<0.010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0.005	0	0.005	0	0.005	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Lead	UG/L	Maximum	0	0	0	1.1	0	0.92	0	0.79	0	1.8	0	0	1.8
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	1.1	0	0.92	0	0.79	0	1.8	0	0	1.8
pH	PH UNITS	# of Samples	0	0	0	1	1	1	1	1	0	1	1	1	8
pH	PH UNITS	Maximum	0	0	0	7.91	7.85	8.09	8.26	8.12	0	8.21	8.05	7.21	8.26
pH	PH UNITS	Minimum	0	0	0	7.91	7.85	8.09	8.26	8.12	0	8.21	8.05	7.21	7.21
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010	0	<0.0010	0	<0.0010	0	0	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005	0	0.0005	0	0.0005	0	0	0.0005

**TABLE 1 CONTINUED: Atlantic Minerals Lower Cove 2022 DL Quarry 1 (Goose Pond)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Selenium	UG/L	Maximum	0	0	0	<0.50	0	<0.50	0	<0.50	0	<0.50	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0.25	0	0.25	0	0.25	0	0.25	0	0	0.25
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Sulphide	MG/L	Maximum	0	0	0	<0.0018	0	<0.020	0	<0.0018	0	<0.0018	0	0	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0.0009	0	0.01	0	0.0009	0	0.0009	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Calculated TDS	MG/L	Maximum	0	0	0	84	0	150	0	160	0	200	0	0	200
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	84	0	150	0	160	0	200	0	0	200
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	<0.098	0	<0.090	0	<0.090	0	0	<0.098
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0.045	0	0.049	0	0.045	0	0.045	0	0	0.049
TSS	MG/L	# of Samples	0	0	0	1	1	1	1	1	0	1	1	1	8
TSS	MG/L	Maximum	0	0	0	<1.0	10	1.8	1.2	1.6	0	2.4	1.8	3.4	10
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0.5	10	1.8	1.2	1.6	0	2.4	1.8	3.4	10
Total Zinc	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Zinc	UG/L	Maximum	0	0	0	<5.0	0	<5.0	0	<5.0	0	7.7	0	0	7.7
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	2.5	0	2.5	0	2.5	0	7.7	0	0	7.7

**TABLE 2: Atlantic Minerals Lower Cove 2022 DL Quarry 2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	<0.10	0	0	0	<0.10	0	0	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0.05	0	0.05	0	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Barium	UG/L	Maximum	0	0	0	65	0	140	0	0	0	140	0	0	140
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	65	0	140	0	0	0	140	0	0	140
Total Boron	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Boron	UG/L	Maximum	0	0	0	<50	0	<50	0	0	0	<50	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	25	0	25	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Cadmium	UG/L	Maximum	0	0	0	<0.010	0	<0.010	0	0	0	<0.010	0	0	<0.010
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0.005	0	0.005	0	0	0	0.005	0	0	0.005
Total Chromium	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Chromium	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Copper	UG/L	Maximum	0	0	0	<0.50	0	0.75	0	0	0	<0.50	0	0	0.75
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0.25	0	0.75	0	0	0	0.25	0	0	0.75

TABLE 2 CONTINUED: Atlantic Minerals Lower Cove 2022 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Iron	UG/L	Maximum	0	0	0	60	0	53	0	0	0	<50	0	0	60
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	60	0	53	0	0	0	25	0	0	60
Total Nickel	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Nickel	UG/L	Maximum	0	0	0	<2.0	0	<2.0	0	0	0	<2.0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	1	0	1	0	0	0	1	0	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Ammonia	MG/L	Maximum	0	0	0	<0.050	0	<0.050	0	0	0	<0.050	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0.025	0	0.025	0	0	0	0.025	0	0	0.025
Nitrate	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Nitrate	MG/L	Maximum	0	0	0	0.39	0	0.87	0	0	0	0.26	0	0	0.87
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0.39	0	0.87	0	0	0	0.26	0	0	0.87
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	<0.010	0	0	0	<0.010	0	0	<0.010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0.005	0	0.005	0	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Lead	UG/L	Maximum	0	0	0	3.6	0	5.7	0	0	0	0.81	0	0	5.7
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	3.6	0	5.7	0	0	0	0.81	0	0	5.7
pH	PH UNITS	# of Samples	0	0	1	1	1	1	1	0	0	1	1	1	8
pH	PH UNITS	Maximum	0	0	8.07	8.05	8.12	8.18	8.36	0	0	8.36	8.18	8.28	8.36
pH	PH UNITS	Minimum	0	0	8.07	8.05	8.12	8.18	8.36	0	0	8.36	8.18	8.28	8.05
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010	0	0	0	<0.0010	0	0	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005	0	0	0	0.0005	0	0	0.0005

TABLE 2 CONTINUED: Atlantic Minerals Lower Cove 2022 DL Quarry 2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Selenium	UG/L	Maximum	0	0	0	<0.50	0	<0.50	0	0	0	<0.50	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0.25	0	0.25	0	0	0	0.25	0	0	0.25
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Sulphide	MG/L	Maximum	0	0	0	<0.0018	0	<0.020	0	0	0	<0.0018	0	0	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0.0009	0	0.01	0	0	0	0.0009	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Calculated TDS	MG/L	Maximum	0	0	0	94	0	180	0	0	0	180	0	0	180
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	94	0	180	0	0	0	180	0	0	180
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	<0.090	0	0	0	<0.090	0	0	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0.045	0	0.045	0	0	0	0.045	0	0	0.045
TSS	MG/L	# of Samples	0	0	1	1	1	1	1	0	0	1	1	1	8
TSS	MG/L	Maximum	0	0	2.2	<1.0	1.6	3.4	<1.0	0	0	<1.0	1.4	1.2	3.4
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	2.2	0.5	1.6	3.4	0.5	0	0	0.5	1.4	1.2	3.4
Total Zinc	UG/L	# of Samples	0	0	0	1	0	1	0	0	0	1	0	0	3
Total Zinc	UG/L	Maximum	0	0	0	<5.0	0	<5.0	0	0	0	<5.0	0	0	<5.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	2.5	0	2.5	0	0	0	2.5	0	0	2.5

**TABLE 3: Atlantic Minerals Lower Cove 2022 HiCal Sampling Point #1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	<0.10	0	<0.10	0	<0.10	0	0	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0.05	0	0.05	0	0.05	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Arsenic	UG/L	Maximum	0	0	0	<1.0	0	<1.0	0	<1.0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0.5	0	0.5	0	0.5	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Barium	UG/L	Maximum	0	0	0	120	0	190	0	250	0	240	0	0	250
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	120	0	190	0	250	0	240	0	0	250
Total Boron	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Boron	UG/L	Maximum	0	0	0	<50	0	65	0	83	0	75	0	0	83
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	25	0	65	0	83	0	75	0	0	83
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0	0	0	0.017	0	<0.010	0	0.035	0	0.039	0	0	0.039
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0.017	0	0.005	0	0.035	0	0.039	0	0	0.039
Total Chromium	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Chromium	UG/L	Maximum	0	0	0	1.3	0	<1.0	0	<1.0	0	<1.0	0	0	1.3
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	1.3	0	0.5	0	0.5	0	0.5	0	0	1.3
Total Copper	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Copper	UG/L	Maximum	0	0	0	0.74	0	0.68	0	0.72	0	0.77	0	0	0.77
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0.74	0	0.68	0	0.72	0	0.77	0	0	0.77

TABLE 3 CONTINUED: Atlantic Minerals Lower Cove 2022 HiCal Sampling Point #1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Iron	UG/L	Maximum	0	0	0	410	0	100	0	<50	0	<50	0	0	410
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	410	0	100	0	25	0	25	0	0	410
Total Nickel	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Nickel	UG/L	Maximum	0	0	0	<2.0	0	2.4	0	<2.0	0	<2.0	0	0	2.4
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	1	0	2.4	0	1	0	1	0	0	2.4
Total Ammonia	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Ammonia	MG/L	Maximum	0	0	0	0.34	0	0.089	0	0.15	0	0.092	0	0	0.34
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0.34	0	0.089	0	0.15	0	0.092	0	0	0.34
Nitrate	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Nitrate	MG/L	Maximum	0	0	0	1.4	0	4.1	0	9.1	0	8.4	0	0	9.1
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	1.4	0	4.1	0	9.1	0	8.4	0	0	9.1
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Orthophosphate	MG/L	Maximum	0	0	0	<0.010	0	<0.010	0	<0.010	0	0.044	0	0	0.044
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0.005	0	0.005	0	0.005	0	0.044	0	0	0.044
Total Lead	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Lead	UG/L	Maximum	0	0	0	8.9	0	5	0	0.79	0	<0.50	0	0	8.9
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	8.9	0	5	0	0.79	0	0.25	0	0	8.9
pH	PH UNITS	# of Samples	0	0	1	1	1	1	1	1	0	1	1	0	8
pH	PH UNITS	Maximum	0	0	8.05	8.04	8.09	8	8.28	8.06	0	7.97	8.15	0	8.28
pH	PH UNITS	Minimum	0	0	8.05	8.04	8.09	8	8.28	8.06	0	7.97	8.15	0	7.97
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010	0	<0.0010	0	<0.0010	0	0	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005	0	0.0005	0	0.0005	0	0	0.0005



TABLE 3 CONTINUED: Atlantic Minerals Lower Cove 2022 HiCal Sampling Point #1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Selenium	UG/L	Maximum	0	0	0	<0.50	0	0.88	0	1.2	0	1.1	0	0	1.2
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0.25	0	0.88	0	1.2	0	1.1	0	0	1.2
Sulphide	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Sulphide	MG/L	Maximum	0	0	0	<0.0018	0	<0.020	0	<0.0018	0	<0.0018	0	0	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0.0009	0	0.01	0	0.0009	0	0.0009	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Calculated TDS	MG/L	Maximum	0	0	0	120	0	250	0	330	0	360	0	0	360
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	120	0	250	0	330	0	360	0	0	360
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	<0.096	0	<0.090	0	<0.090	0	0	<0.096
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0.045	0	0.048	0	0.045	0	0.045	0	0	0.048
TSS	MG/L	# of Samples	0	0	1	1	1	1	1	1	0	1	1	0	8
TSS	MG/L	Maximum	0	0	79	9.6	2.2	9.6	3.6	<1.0	0	<1.0	6.6	0	79
TSS	MG/L	Exceedance(>30)	0	0	1	0	0	0	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	0	0	79	9.6	2.2	9.6	3.6	0.5	0	0.5	6.6	0	79
Total Zinc	UG/L	# of Samples	0	0	0	1	0	1	0	1	0	1	0	0	4
Total Zinc	UG/L	Maximum	0	0	0	26	0	17	0	28	0	41	0	0	41
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	26	0	17	0	28	0	41	0	0	41

**TABLE 4: Atlantic Minerals Corner Brook 2022 Series 1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	1	1	1	1	1	1	0	0	6
pH	PH UNITS	Maximum	0	0	0	0	8.64	8.53	7.97	8.15	8.4	8.51	0	0	8.64
pH	PH UNITS	Minimum	0	0	0	0	8.64	8.53	7.97	8.15	8.4	8.51	0	0	7.97
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 5: Atlantic Minerals Corner Brook 2022 Shale Quarry**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	1	1	1	1	1	1	0	0	6
pH	PH UNITS	Maximum	0	0	0	0	8.13	8.1	8.63	8.15	8.34	8.11	0	0	8.63
pH	PH UNITS	Minimum	0	0	0	0	8.13	8.1	8.63	8.15	8.34	8.11	0	0	8.1
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS MEAS	MG/L	# of Samples	0	0	0	0	1	1	1	1	1	1	0	0	6
TDS MEAS	MG/L	Maximum	0	0	0	0	1000	1100	1100	150	640	570	0	0	1100
TDS MEAS	MG/L	Exceedance(>1000)	0	0	0	0	0	1	1	0	0	0	0	0	2
TDS MEAS	MG/L	Monthly Average	0	0	0	0	1000	1100	1100	150	640	570	0	0	1100
TSS	MG/L	# of Samples	0	0	0	0	1	1	1	1	1	1	0	0	6
TSS	MG/L	Maximum	0	0	0	0	1.2	1.8	2	<1.0	1	1.2	0	0	2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	1.2	1.8	2	0.5	1	1.2	0	0	2

**TABLE 6: Barite Mud Services 2022 TP1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	1	4	0	1	2	0	0	8
Total Silver	MG/L	Maximum	0	0	0	0	0	0.0054	<0.0011	0	0.0018	0.0017	0	0	0.0054
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0.0054	0.0003	0	0.0018	0.0014	0	0	0.0054
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	2	4	0	1	2	0	0	9
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0.0213	0.0061	0	0.0086	0.0090	0	0	0.0213
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0	0.0146	0.0043	0	0.0086	0.0084	0	0	0.0146
Total Barium	MG/L	# of Samples	0	0	0	0	0	1	4	0	1	2	0	0	8
Total Barium	MG/L	Maximum	0	0	0	0	0	10.20	1.70	0	3.37	3.86	0	0	10.20
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	MG/L	Monthly Average	0	0	0	0	0	10.20	0.97	0	3.37	3.74	0	0	10.20
Total Boron	MG/L	# of Samples	0	0	0	0	0	1	4	0	1	2	0	0	8
Total Boron	MG/L	Maximum	0	0	0	0	0	0.008	0.007	0	0.011	0.010	0	0	0.011
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0	0.008	0.005	0	0.011	0.010	0	0	0.011
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	1	4	0	1	2	0	0	8
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0.0164	0.0062	0	0.0078	0.0078	0	0	0.0164
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0	0.0164	0.0040	0	0.0078	0.0072	0	0	0.0164
Total Chromium	MG/L	# of Samples	0	0	0	0	0	1	4	0	1	2	0	0	8
Total Chromium	MG/L	Maximum	0	0	0	0	0	0.0130	0.0033	0	0.0133	0.0030	0	0	0.0133
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0	0.0130	0.0018	0	0.0133	0.0028	0	0	0.0133
Total Copper	MG/L	# of Samples	0	0	0	0	0	2	4	0	1	2	0	0	9
Total Copper	MG/L	Maximum	0	0	0	0	0	0.234	0.045	0	0.079	0.084	0	0	0.234
Total Copper	MG/L	Exceedance(>0.337)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0.157	0.024	0	0.079	0.071	0	0	0.157

\*Limit has been adjusted to account for background levels at TP1.

TABLE 6 CONTINUED: Barite Mud Services 2022 TP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	0	0	0	0	0	1	4	0	1	2	0	0	8
Total Iron	MG/L	Maximum	0	0	0	0	0	4.26	0.64	0	1.07	1.09	0	0	4.26
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	0	0	0	4.26	0.38	0	1.07	0.92	0	0	4.26
Total Mercury	MG/L	# of Samples	0	0	0	0	0	1	4	0	1	2	0	0	8
Total Mercury	MG/L	Maximum	0	0	0	0	0	0.00010	<0.00010	0	0.00004	0.00004	0	0	0.00010
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0.00010	0.00002	0	0.00004	0.00004	0	0	0.00010
Total Nickel	MG/L	# of Samples	0	0	0	0	0	2	4	0	1	2	0	0	9
Total Nickel	MG/L	Maximum	0	0	0	0	0	0.0053	0.0027	0	0.0064	0.0046	0	0	0.0064
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0	0.0040	0.0019	0	0.0064	0.0041	0	0	0.0064
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	0.024	0	0	0	0	0	0.024
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0.024	0	0	0	0	0	0.024
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	<0.06	0	0	0	0	0	<0.06
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0.03	0	0	0	0	0	0.03
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	<0.03	0	0	0	0	0	<0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0.015	0	0	0	0	0	0.015
Total Lead	MG/L	# of Samples	0	0	0	0	0	2	4	0	1	2	0	0	9
Total Lead	MG/L	Maximum	0	0	0	0	0	1.540	0.615	0	0.595	0.627	0	0	1.540
Total Lead	MG/L	Exceedance(>0.45)	0	0	0	0	0	2	2	0	1	2	0	0	7
Total Lead	MG/L	Monthly Average	0	0	0	0	0	1.122	0.352	0	0.595	0.557	0	0	1.122
pH	PH UNITS	# of Samples	0	0	0	0	0	2	4	0	1	2	0	0	9
pH	PH UNITS	Maximum	0	0	0	0	0	7.42	7.58	0	7.45	7.10	0	0	7.58
pH	PH UNITS	Minimum	0	0	0	0	0	7.21	7.25	0	7.45	7.08	0	0	7.08
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

\*Limit has been adjusted to account for background levels at TP1

TABLE 6 CONTINUED: Barite Mud Services 2022 TP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Phenolics	MG/L	Maximum	0	0	0	0	0	0	<0.002	0	0	0	0	0	<0.002
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0.001	0	0	0	0	0	0.001
Total Selenium	MG/L	# of Samples	0	0	0	0	0	1	4	0	1	2	0	0	8
Total Selenium	MG/L	Maximum	0	0	0	0	0	<0.00004	<0.00160	0	0.00108	0.00004	0	0	0.00108
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0	0.00002	0.00026	0	0.00108	0.00003	0	0	0.00108
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Sulphide	MG/L	Maximum	0	0	0	0	0	0	0.04	0	0	0	0	0	0.04
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0	0	0.04	0	0	0	0	0	0.04
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	138.53	0	0	0	0	0	138.53
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	138.53	0	0	0	0	0	138.53
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	<0.1	0	0	0	0	0	<0.1
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0	0.05	0	0	0	0	0	0.05
TSS	MG/L	# of Samples	0	0	0	0	0	2	4	0	1	2	0	0	9
TSS	MG/L	Maximum	0	0	0	0	0	70	22	0	12	25	0	0	70
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	0	0	0	0	0	45	8	0	12	20	0	0	45
Total Zinc	MG/L	# of Samples	0	0	0	0	0	2	4	0	1	2	0	0	9
Total Zinc	MG/L	Maximum	0	0	0	0	0	4.26	1.30	0	1.78	1.91	0	0	4.26
Total Zinc	MG/L	Exceedance(>4.4)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	3.34	0.84	0	1.78	1.72	0	0	3.34

\*Limit has been adjusted to account for background levels at TP1

**TABLE 7: Barite Mud Services 2022 Siphon Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Silver	MG/L	Maximum	0	0	0	0	0	0	0	0.00069	0.00019	0	0	0	0.00069
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00069	0.00019	0	0	0	0.00069
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0	0	0.0054	0.0060	0	0	0	0.0060
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0054	0.0060	0	0	0	0.0060
Total Barium	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Barium	MG/L	Maximum	0	0	0	0	0	0	0	1.68	1.24	0	0	0	1.68
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0	0	0	0	0	1.68	1.24	0	0	0	1.68
Total Boron	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Boron	MG/L	Maximum	0	0	0	0	0	0	0	0.025	0.008	0	0	0	0.025
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0	0	0	0.025	0.008	0	0	0	0.025
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0	0	0.00657	0.00465	0	0	0	0.00657
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00657	0.00465	0	0	0	0.00657
Total Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0.00167	0.00098	0	0	0	0.00167
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00167	0.00098	0	0	0	0.00167
Total Copper	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0	0	0	0	0.0367	0.0179	0	0	0	0.0367
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0367	0.0179	0	0	0	0.0367

TABLE 7 CONTINUED: Barite Mud Services 2022 Siphon Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Iron	MG/L	Maximum	0	0	0	0	0	0	0	0.576	0.211	0	0	0	0.576
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	0	0	0	0	0	0.576	0.211	0	0	0	0.576
Total Mercury	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Mercury	MG/L	Maximum	0	0	0	0	0	0	0	0.00004	0.00001	0	0	0	0.00004
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00004	0.00001	0	0	0	0.00004
Total Nickel	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	0	0	0	0	0.0071	0.0129	0	0	0	0.0129
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0	0	0	0.0071	0.0129	0	0	0	0.0129
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	0	0.041	0.007	0	0	0	0.041
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0	0.041	0.007	0	0	0	0.041
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	<0.06	0.06	0	0	0	0.06
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.03	0.06	0	0	0	0.06
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	<0.03	0.03	0	0	0	0.03
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0.015	0.03	0	0	0	0.03
Total Lead	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0	0	0	0	0.474	0.344	0	0	0	0.474
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0	0	0.474	0.344	0	0	0	0.474
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	7.63	7.42	0	0	0	7.63
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	7.63	7.42	0	0	0	7.42
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 7 CONTINUED: Barite Mud Services 2022 Siphon Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	<0.002	0.002	0	0	0	0.002
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0	0.001	0.002	0	0	0	0.002
Total Selenium	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Selenium	MG/L	Maximum	0	0	0	0	0	0	0	0.00005	0.00006	0	0	0	0.00006
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0	0	0	0.00005	0.00006	0	0	0	0.00006
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Sulphide	MG/L	Maximum	0	0	0	0	0	0	0	0.059	0.015	0	0	0	0.059
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0	0	0	0.059	0.015	0	0	0	0.059
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	165.6	168.9	0	0	0	168.9
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	0	165.6	168.9	0	0	0	168.9
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	0	<0.10	0.10	0	0	0	0.10
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0	0	0.05	0.10	0	0	0	0.10
TSS	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	0	0	0	9	8	0	0	0	9
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	0	9	8	0	0	0	9
Total Zinc	MG/L	# of Samples	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0	0	0	0	1.170	0.982	0	0	0	1.170
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	1	1	0	0	0	2
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0	0	1.170	0.982	0	0	0	1.170



**TABLE 8: Beaver Brook 2022 Site 16**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	1	0	1	1	0	0	0	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1	0	1	1	0	0	0	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	1	0	1	1	0	0	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1	0	1	1	0	0	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	3	5	4	4	2	3	0	2	1	37
Total Arsenic	MG/L	Maximum	0.082	0.110	0.145	0.077	0.124	0.197	0.250	0.233	0.232	0	0.141	0.088	0.250
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.072	0.090	0.106	0.073	0.112	0.166	0.216	0.233	0.188	0	0.117	0.088	0.233
Total Copper	MG/L	# of Samples	4	4	5	3	5	4	4	2	3	0	2	1	37
Total Copper	MG/L	Maximum	0.00014	0.00028	0.00060	0.00040	0.00030	0.00020	0.00040	0.00020	0.00030	0	0.00400	0.00030	0.00400
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00011	0.00015	0.00030	0.00033	0.00022	0.00008	0.00025	0.00020	0.00020	0	0.00205	0.00030	0.00205
Un-ionized Ammonia	MG/L	# of Samples	2	4	5	2	5	5	4	3	3	4	3	2	42
Un-ionized Ammonia	MG/L	Maximum	0.0047	0.0045	0.0134	0.0213	0.0570	0.0133	0.0077	0.0218	0.0192	0.0041	0.0272	0.0100	0.0570
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0030	0.0040	0.0053	0.0200	0.0310	0.0098	0.0072	0.0113	0.0164	0.0021	0.0117	0.0071	0.0310
Total Nickel	MG/L	# of Samples	4	4	5	3	5	4	4	2	3	0	2	1	37
Total Nickel	MG/L	Maximum	0.0260	0.0190	0.0210	0.0171	0.0220	0.0186	0.0174	0.0088	0.0117	0	0.0225	0.0231	0.0260
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0235	0.0170	0.0186	0.0164	0.0164	0.0144	0.0162	0.0087	0.0102	0	0.0169	0.0231	0.0235
Total Lead	MG/L	# of Samples	4	4	5	3	5	4	4	2	3	0	2	1	37
Total Lead	MG/L	Maximum	0.0064	0.0092	0.0128	0.0121	0.0026	0.0008	0.0008	0.0006	0.0002	0	0.0071	0.0013	0.0128
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0050	0.0073	0.0069	0.0088	0.0009	0.0005	0.0005	0.0006	0.0002	0	0.0036	0.0013	0.0088

**TABLE 8 CONTINUED: Beaver Brook 2022 Site 16**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	6	8	10	5	10	9	8	5	6	4	5	4	80
pH	PH UNITS	Maximum	7.53	7.51	7.67	7.86	9.42	9.36	8.07	8.69	9.26	8.88	8.19	8.23	9.42
pH	PH UNITS	Minimum	6.81	7.05	6.47	7.53	7.81	7.1	7.57	8.22	8.73	8.34	7.38	6.83	6.47
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	2	3	0	0	3	0	0	0	8
Radium-226	BQ/L	# of Samples	0	0	1	0	0	1	0	0	0	0	0	0	2
Radium-226	BQ/L	Maximum	0	0	<0.005	0	0	<0.005	0	0	0	0	0	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0.0025	0	0	0.0025	0	0	0	0	0	0	0.0025
TSS	MG/L	# of Samples	4	4	5	3	5	4	4	2	3	0	2	2	38
TSS	MG/L	Maximum	13	8.5	13	16	9.5	8.5	4	8	9	0	13	5	16
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	8.8	4.1	7.8	10.7	6.9	4.8	2.1	5.3	5.8	0	6.8	2.8	10.7
Total Zinc	MG/L	# of Samples	4	4	5	3	5	4	4	2	3	0	2	1	37
Total Zinc	MG/L	Maximum	0.0049	0.0038	0.0040	0.0080	0.0040	0.0507	0.0020	<0.002	<0.002	0	0.0040	0.0040	0.0507
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0044	0.0036	0.0036	0.0053	0.0032	0.0256	0.0013	0.0010	0.0010	0.0000	0.0025	0.0040	0.0256

**TABLE 9: Braya Renewable Fuels 2022 Outfall to Sea**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Silver	UG/L	Maximum	0	0	<0.10	0	<0.10	<0.10	<0.10	<0.10	0	<0.10	<0.10	<0.10	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0.05	0	0.05	0.05	0.05	0.05	0	0.05	0.05	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Arsenic	UG/L	Maximum	0	0	<1.0	0	<1.0	1.3	1.7	<1.0	0	<1.0	<1.0	<1.0	1.7
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0.5	0	0.5	1.3	1.7	0.5	0	0.5	0.5	0.5	1.7
Total Barium	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Barium	UG/L	Maximum	0	0	57	0	27	46	70	40	0	29	54	41	70
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	57	0	27	46	70	40	0	29	35	41	70

TABLE 9 CONTINUED: Braya Renewable Fuels 2022 Outfall to Sea

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Boron	UG/L	Maximum	0	0	<50	0	<50	<50	<50	<50	0	<50	<50	<50	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	25	0	25	25	25	25	0	25	25	25	25
BOD	MG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
BOD	MG/L	Maximum	0	0	5.1	0	3.0	5.3	16.0	<3.0	0	5.1	8.0	5.0	16.0
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	0	0	5.1	0	3.0	5.3	16.0	1.5	0	5.1	7.8	5.0	16.0
Cyanide	MG/L	# of Samples	0	0	0	0	0	1	1	1	0	1	1	1	6
Cyanide	MG/L	Maximum	0	0	0	0	0	<0.0050	<0.0050	<0.0050	0	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0	0	0	0	0	0.0025	0.0025	0.0025	0	0.0025	0.0025	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Cadmium	UG/L	Maximum	0	0	0.016	0	<0.010	<0.010	<0.010	0.014	0	<0.010	0.022	0.011	0.022
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.016	0	0.005	0.005	0.005	0.014	0	0.005	0.011	0.011	0.016
Total Chromium	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Chromium	UG/L	Maximum	0	0	<1.0	0	<1.0	<1.0	1.2	<1.0	0	<1.0	1.2	<1.0	1.2
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0.5	0	0.5	0.5	1.2	0.5	0	0.5	0.7	0.5	1.2
Total Copper	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Copper	UG/L	Maximum	0	0	2.7	0	2.3	2.2	4.0	1.8	0	4.0	4.0	3.0	4.0
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	2.7	0	2.3	2.2	4.0	1.8	0	4.0	3.9	3.0	4.0
Total Iron	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Iron	UG/L	Maximum	0	0	750	0	260	950	1500	290	0	330	1600	1100	1600
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	750	0	260	950	1500	290	0	330	787	1100	1500
Total Mercury	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Mercury	UG/L	Maximum	0	0	<0.013	0	<0.013	0.020	0.062	<0.013	0	<0.013	0.140	<0.013	0.140
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.0065	0	0.0065	0.0200	0.0620	0.0065	0	0.0065	0.0510	0.0065	0.0620

TABLE 9 CONTINUED: Braya Renewable Fuels 2022 Outfall to Sea

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Nickel	UG/L	Maximum	0	0	6.7	0	2.2	5.8	6.6	2.7	0	4.2	8.4	5.9	8.4
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	6.7	0	2.2	5.8	6.6	2.7	0	4.2	5.3	5.9	6.7
Total Ammonia	MG/L	# of Samples	13	12	15	12	15	13	14	14	26	13	3	14	164
Total Ammonia	MG/L	Maximum	3.80	1.30	1.60	1.40	1.10	1.10	3.60	2.90	1.40	0.80	0.72	2.20	3.80
Total Ammonia	MG/L	Exceedance(>2)	6	0	0	0	0	0	1	1	0	0	0	1	9
Total Ammonia	MG/L	Monthly Average	1.72	0.68	0.77	0.73	0.63	0.50	1.01	0.99	0.85	0.41	0.39	1.41	1.72
Nitrate	MG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Nitrate	MG/L	Maximum	0	0	1.40	0	<0.05	0.65	1.20	2.40	0	0.14	0.34	0.26	2.40
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	1.40	0	0.03	0.65	1.20	2.40	0	0.14	0.31	0.26	2.40
Orthophosphate	MG/L	# of Samples	0	0	1	0	1	0	0	0	0	0	1	0	3
Orthophosphate	MG/L	Maximum	0	0	0.130	0	<0.010	0	0	0	0	0	0.087	0	0.130
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.130	0	0.005	0	0	0	0	0	0.087	0	0.130
Total Lead	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Lead	UG/L	Maximum	0	0	1.10	0	0.54	<0.50	0.72	<0.50	0	<0.50	2.30	1.20	2.30
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	1.10	0	0.54	0.25	0.72	0.25	0	0.25	1.87	1.20	1.87
pH	PH UNITS	# of Samples	31	28	32	30	32	31	32	31	60	31	3	32	373
pH	PH UNITS	Maximum	7.5	7.6	7.7	7.9	8.7	8.4	8.7	8.3	8.7	8.6	7.93	7.9	8.7
pH	PH UNITS	Minimum	7.1	6.9	7.2	7.1	7	7.1	5.2	7	7.1	7	7.85	6.7	5.2
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	1	0	0	0	0	0	1
Phenolics	MG/L	# of Samples	13	12	15	12	15	13	14	14	26	13	3	14	164
Phenolics	MG/L	Maximum	0.02	0.02	0.09	0.02	0.02	0.02	0.02	0.04	0.03	0.02	0.0015	0.02	0.09
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.02
Total Phosphates as P2O5	MG/L	# of Samples	0	0	0	0	0	1	1	1	0	1	2	1	7
Total Phosphates as P2O5	MG/L	Maximum	0	0	0	0	0	1.20	1.70	0.22	0	0.45	0.65	0.56	1.70
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	0	0	1	1	0	0	0	0	0	2
Total Phosphates as P2O5	MG/L	Monthly Average	0	0	0	0	0	1.20	1.70	0.22	0	0.45	0.65	0.56	1.70

TABLE 9 CONTINUED: Braya Renewable Fuels 2022 Outfall to Sea

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Selenium	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Selenium	UG/L	Maximum	0	0	1.00	0	<0.50	2.40	4.20	0.68	0	1.00	1.20	0.86	4.20
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	1.00	0	0.25	2.40	4.20	0.68	0	1.00	1.17	0.86	4.20
Sulphide	MG/L	# of Samples	13	12	15	12	15	13	14	14	26	13	3	14	164
Sulphide	MG/L	Maximum	0.20	0.08	0.06	0.05	0.05	0.05	0.07	0.09	7.70	0.08	<0.02	7.40	7.70
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	1	0	0	1	2
Sulphide	MG/L	Monthly Average	0.04	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.32	0.02	0.01	0.55	0.55
Calculated TDS	MG/L	# of Samples	0	0	1	0	1	0	0	0	0	0	1	0	3
Calculated TDS	MG/L	Maximum	0	0	370	0	220	0	0	0	0	0	260	0	370
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	370	0	220	0	0	0	0	0	260	0	370
TDS Measured	MG/L	# of Samples	0	0	0	0	0	1	1	1	0	1	2	1	7
TDS Measured	MG/L	Maximum	0	0	0	0	0	530	450	250	0	230	200	220	530
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	0	0	0	0	530	450	250	0	230	195	220	530
Total Oil and Grease	MG/L	# of Samples	13	12	14	12	14	12	13	13	26	12	0	13	154
Total Oil and Grease	MG/L	Maximum	9.0	6.6	6.9	2.3	1.8	3.0	2.8	4.2	2.1	7.2	0	2.1	9.0
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	2.1	2.1	2.3	1.3	0.9	1.1	1.2	1.9	1.0	2.8	0	1.1	2.8
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	1	1	1	0	1	1	1	6
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0.42	0.49	0.25	0	0.10	0.23	0.32	0.49
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0.42	0.49	0.25	0	0.10	0.23	0.32	0.49
Total Suspended Solids	MG/L	# of Samples	13	12	15	12	15	13	14	14	26	13	3	13	163
Total Suspended Solids	MG/L	Maximum	112	41	58	20	28	22	26	24	24	19	37	98	112
Total Suspended Solids	MG/L	Exceedance(>30)	1	1	2	0	0	0	0	0	0	0	1	5	10
Total Suspended Solids	MG/L	Monthly Average	23	14	15	12	12	13	15	13	13	13	22	33	33
Total Zinc	UG/L	# of Samples	0	0	1	0	1	1	1	1	0	1	3	1	10
Total Zinc	UG/L	Maximum	0	0	21.0	0	9.2	6.3	13.0	5.4	0	7.4	51.0	12.0	51.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	21.0	0	9.2	6.3	13.0	5.4	0	7.4	30.3	12.0	30.3

**TABLE 10: Canada Fluorspar Incorporated 2022 WQ STA 22**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Silver	MG/L	Maximum	<0.00010	<0.00010	0	0	0	0	0	0	0	0	0	0	<0.00010
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0.00005	0.00005	0	0	0	0	0	0	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Arsenic	MG/L	Maximum	0.0080	0.0060	0	0	0	0	0	0	0	0	0	0	0.0080
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0075	0.0040	0	0	0	0	0	0	0	0	0	0	0.0075
Total Barium	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Barium	MG/L	Maximum	0.164	0.182	0	0	0	0	0	0	0	0	0	0	0.182
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0.161	0.137	0	0	0	0	0	0	0	0	0	0	0.161
Total Boron	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Boron	MG/L	Maximum	0.029	0.019	0	0	0	0	0	0	0	0	0	0	0.029
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0.026	0.017	0	0	0	0	0	0	0	0	0	0	0.026
Total Cadmium	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Cadmium	MG/L	Maximum	0.0017	0.0014	0	0	0	0	0	0	0	0	0	0	0.0017
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0.0016	0.0012	0	0	0	0	0	0	0	0	0	0	0.0016
Total Chromium	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Chromium	MG/L	Maximum	<0.0010	<0.0010	0	0	0	0	0	0	0	0	0	0	<0.0010
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0005	0.0005	0	0	0	0	0	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Copper	MG/L	Maximum	0.010	0.006	0	0	0	0	0	0	0	0	0	0	0.010
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.008	0.004	0	0	0	0	0	0	0	0	0	0	0.008
Total Iron	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Iron	MG/L	Maximum	0.42	0.45	0	0	0	0	0	0	0	0	0	0	0.45
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.34	0.22	0	0	0	0	0	0	0	0	0	0	0.34
Total Nickel	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Nickel	MG/L	Maximum	0.0040	0.0110	0	0	0	0	0	0	0	0	0	0	0.0110
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0035	0.0057	0	0	0	0	0	0	0	0	0	0	0.0057
Total Ammonia	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Ammonia	MG/L	Maximum	0.53	1.49	0	0	0	0	0	0	0	0	0	0	1.49
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0.47	1.16	0	0	0	0	0	0	0	0	0	0	1.16

**TABLE 10 CONTINUED: Canada Fluorspar Incorporated 2022 WQ STA 22**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nitrate	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Nitrate	MG/L	Maximum	23.6	21.7	0	0	0	0	0	0	0	0	0	0	23.6
Total Nitrate	MG/L	Exceedance(>10)	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Nitrate	MG/L	Monthly Average	19.9	18.8	0	0	0	0	0	0	0	0	0	0	19.9
Total Lead	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Lead	MG/L	Maximum	0.0152	0.0172	0	0	0	0	0	0	0	0	0	0	0.0172
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0140	0.0102	0	0	0	0	0	0	0	0	0	0	0.0140
pH	PH UNITS	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
pH	PH UNITS	Maximum	7.89	7.61	0	0	0	0	0	0	0	0	0	0	7.89
pH	PH UNITS	Minimum	7.84	7.30	0	0	0	0	0	0	0	0	0	0	7.30
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	1	0	0	0	0	0	0	0	0	0	0	2
Radium-226	BQ/L	Maximum	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0.02
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0.02
Total Selenium	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Selenium	MG/L	Maximum	0.001	0.003	0	0	0	0	0	0	0	0	0	0	0.003
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0.001	0.002	0	0	0	0	0	0	0	0	0	0	0.002
TDS Measured	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
TDS Measured	MG/L	Maximum	256	296	0	0	0	0	0	0	0	0	0	0	296
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	250	278	0	0	0	0	0	0	0	0	0	0	278
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	0	0	0	0	0	0	0	0	0	0	2
TPH (Atlantic PIRI)	MG/L	Maximum	<0.10	<0.10	0	0	0	0	0	0	0	0	0	0	<0.10
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.05	0.05	0	0	0	0	0	0	0	0	0	0	0.05
TSS	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
TSS	MG/L	Maximum	8.0	10.0	0	0	0	0	0	0	0	0	0	0	10.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	6.5	5.0	0	0	0	0	0	0	0	0	0	0	6.5
Total Zinc	MG/L	# of Samples	2	3	0	0	0	0	0	0	0	0	0	0	5
Total Zinc	MG/L	Maximum	0.057	0.047	0	0	0	0	0	0	0	0	0	0	0.057
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.056	0.036	0	0	0	0	0	0	0	0	0	0	0.056

**TABLE 11: Canada Fluorspar Incorporated 2022 WQ STA 23**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Silver	MG/L	Maximum	0	0	0	0	0	<0.00010	<0.00010	<0.00010	<0.00025	<0.00010	<0.00010	<0.00025	<0.00025
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0	0	0.00005	0.00005	0.00005	0.00008	0.00005	0.00005	0.00007	0.00008
Total Arsenic	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Arsenic	MG/L	Maximum	0	0	0	0	0	0.020	0.005	0.004	0.004	0.004	0.004	0.004	0.020
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0	0.012	0.005	0.004	0.003	0.004	0.004	0.003	0.012
Total Barium	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Barium	MG/L	Maximum	0	0	0	0	0	0.094	0.069	0.057	0.059	0.060	0.056	0.054	0.094
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0	0	0	0.078	0.064	0.054	0.058	0.057	0.052	0.045	0.078
Total Boron	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Boron	MG/L	Maximum	0	0	0	0	0	0.028	0.024	0.017	0.013	0.014	0.014	0.013	0.028
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0	0	0.021	0.017	0.016	0.012	0.013	0.014	0.012	0.021
Total Cadmium	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Cadmium	MG/L	Maximum	0	0	0	0	0	0.00127	0.00068	0.00061	0.00062	0.00069	0.00069	0.00063	0.00127
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0	0	0.00101	0.00065	0.00058	0.00061	0.00063	0.00062	0.00056	0.00101
Total Chromium	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Chromium	MG/L	Maximum	0	0	0	0	0	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0020	<0.0020
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0	0	0.0005	0.0005	0.0005	0.0007	0.0005	0.0005	0.0006	0.0007
Total Copper	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Copper	MG/L	Maximum	0	0	0	0	0	0.008	0.008	0.007	0.006	0.006	0.007	0.005	0.008
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0	0.007	0.007	0.007	0.006	0.006	0.006	0.004	0.007
Total Iron	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Iron	MG/L	Maximum	0	0	0	0	0	1.06	0.78	0.81	0.47	0.47	0.54	0.53	1.06
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	0	0	0	0.95	0.69	0.63	0.42	0.45	0.45	0.40	0.95
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	1	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	<0.026	0	0	<0.026	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0.013	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Nickel	MG/L	Maximum	0	0	0	0	0	<0.002	<0.002	<0.002	<0.002	0.005	0.004	<0.002	0.005
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.002



**TABLE 11 CONTINUED: Canada Fluorspar Incorporated 2022 WQ STA 23**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0.210	0.350	4.890	<0.030	2.470	0.210	0.110	4.890
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	1	0	1	0	0	2
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.113	0.099	2.007	0.015	0.646	0.070	0.064	2.007
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0.75	0.83	0.76	0.69	0.88	0.81	0.85	0.88
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.72	0.76	0.66	0.63	0.75	0.74	0.63	0.76
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	1	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.010	0	0	<0.010	<0.010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.005	0	0	0.005	0.005
Total Lead	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Lead	MG/L	Maximum	0	0	0	0	0	0.0316	0.0299	0.0264	0.0165	0.0161	0.0225	0.014	0.0316
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0	0.0298	0.0243	0.0198	0.0156	0.0152	0.0161	0.0084	0.0298
pH	PH UNITS	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
pH	PH UNITS	Maximum	0	0	0	0	0	7.93	8.30	8.06	7.82	8.13	7.91	8.81	8.81
pH	PH UNITS	Minimum	0	0	0	0	0	7.47	7.69	7.87	7.6	7.32	7.27	7.78	7.27
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	1	2
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	0	0.002	0	0	0.002	0.002
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.002	0	0	0.002	0.002
Radium-226	BQ/L	# of Samples	0	0	0	0	0	0	1	1	1	1	1	1	6
Radium-226	BQ/L	Maximum	0	0	0	0	0	0	<0.005	0.006	0.007	0.008	<0.005	<0.005	0.008
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0	0	0.003	0.006	0.007	0.008	0.003	0.003	0.008
Total Selenium	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Selenium	MG/L	Maximum	0	0	0	0	0	0.0030	0.0020	0.0020	<0.0010	0.0020	0.0020	0.0030	0.0030
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0	0	0.0018	0.0014	0.0017	0.0005	0.0014	0.0013	0.0019	0.0019
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	1	2
Sulphide	MG/L	Maximum	0	0	0	0	0	0	0	0	<0.050	0	0	<0.050	<0.050
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0.025	0	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	1	0	0	1	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	194	0	0	173	194
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	0	0	194	0	0	173	194

**TABLE 11 CONTINUED: Canada Fluorspar Incorporated 2022 WQ STA 23**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TDS Measured	MG/L	# of Samples	0	0	0	0	0	2	4	3	2	4	4	3	22
TDS Measured	MG/L	Maximum	0	0	0	0	0	256	226	222	236	234	352	196	352
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	0	0	0	0	245	223	216	228	208	234	191	245
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	1	1	1	6
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TSS	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
TSS	MG/L	Maximum	0	0	0	0	0	<5.0	<5.0	6.0	<5.0	10.0	<5.0	<5.0	10.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	2.5	2.5	3.7	2.5	4.4	2.5	2.5	4.4
Total Zinc	MG/L	# of Samples	0	0	0	0	0	2	4	3	3	4	4	4	24
Total Zinc	MG/L	Maximum	0	0	0	0	0	0.073	0.061	0.052	0.045	0.057	0.067	0.060	0.073
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0	0.038	0.053	0.049	0.045	0.052	0.054	0.047	0.054

**TABLE 12: Canada Fluorspar Incorporated 2022 WQ STA 24**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Silver	MG/L	Maximum	0	<0.00010	<0.00025	<0.00010	<0.00010	<0.00025	<0.00010	0.00010	<0.00025	<0.00010	<0.00010	<0.00025	<0.00025
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0.00005	0.00006	0.00005	0.00005	0.00007	0.00005	0.00006	0.00007	0.00005	0.00005	0.00009	0.00009
Total Arsenic	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Arsenic	MG/L	Maximum	0	0.015	0.018	0.017	0.018	0.018	0.020	0.014	0.005	0.002	0.003	<0.002	0.020
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0.014	0.015	0.016	0.016	0.015	0.018	0.010	0.004	0.002	0.003	0.001	0.018
Total Barium	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Barium	MG/L	Maximum	0	0.189	0.133	0.081	0.095	0.106	0.110	0.188	0.170	0.353	0.121	0.066	0.353
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0.131	0.091	0.075	0.089	0.082	0.105	0.161	0.152	0.343	0.121	0.058	0.343
Total Boron	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Boron	MG/L	Maximum	0	0.025	0.027	0.026	0.033	0.032	0.034	0.031	0.018	0.017	0.016	0.012	0.034
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0.020	0.025	0.025	0.030	0.026	0.032	0.026	0.017	0.016	0.016	0.011	0.032
Total Cadmium	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Cadmium	MG/L	Maximum	0	0.00282	0.00278	0.00173	0.00176	0.00122	0.00127	0.00217	0.00140	0.00502	0.00067	0.00052	0.00502
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0.00211	0.00186	0.00152	0.00135	0.00095	0.00114	0.00164	0.00121	0.00454	0.00067	0.00046	0.00454

TABLE 12 CONTINUED: Canada Fluorspar Incorporated 2022 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Chromium	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Chromium	MG/L	Maximum	0	0.0050	0.0010	<0.0010	0.0010	0.0010	0.0010	0.0040	<0.0020	<0.0010	<0.0010	<0.0020	0.0050
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0.0024	0.0008	0.0005	0.0006	0.0007	0.0006	0.0012	0.0006	0.0005	0.0005	0.0008	0.0024
Total Copper	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Copper	MG/L	Maximum	0	0.044	0.017	0.012	0.018	0.015	0.011	0.029	0.005	0.014	0.006	0.005	0.044
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0.026	0.011	0.010	0.012	0.010	0.010	0.013	0.005	0.013	0.006	0.005	0.026
Total Iron	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Iron	MG/L	Maximum	0	3.30	0.87	0.43	0.90	0.80	0.32	2.40	0.17	0.36	0.33	0.47	3.30
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	1.48	0.47	0.27	0.43	0.29	0.23	0.66	0.14	0.33	0.33	0.41	1.48
Total Mercury	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Mercury	UG/L	Maximum	0	0	<0.026	0	0	<0.026	0	0	<0.026	0	0	<0.026	<0.026
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.013	0	0	0.013	0	0	0.013	0	0	0.013	0.013
Total Nickel	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Nickel	MG/L	Maximum	0	0.0080	0.0050	0.0040	<0.0020	<0.0020	<0.0020	0.0040	<0.0020	0.0020	<0.0020	<0.0020	0.0080
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0.0045	0.0017	0.0018	0.0010	0.0010	0.0010	0.0018	0.0010	0.0020	0.0010	0.0010	0.0045
Total Ammonia	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Ammonia	MG/L	Maximum	0	0.370	<0.030	0.430	2.580	0.220	0.040	0.190	0.100	0.060	<0.030	0.040	2.580
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Ammonia	MG/L	Monthly Average	0	0.128	0.015	0.128	0.921	0.093	0.035	0.104	0.036	0.055	0.015	0.035	0.921
Total Nitrate	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Nitrate	MG/L	Maximum	0	1.26	0.51	0.53	0.40	0.38	0.32	0.32	0.91	0.24	1.06	0.47	1.26
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	1.09	0.49	0.45	0.33	0.30	0.31	0.27	0.54	0.21	1.06	0.47	1.09
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0.010	0	0	<0.010	0	0	<0.010	0	0	<0.010	0.010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.010	0	0	0.005	0	0	0.005	0	0	0.005	0.010
Total Lead	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Lead	MG/L	Maximum	0	0.3240	0.0631	0.0307	0.0626	0.0813	0.0435	0.2040	0.0078	0.0374	0.0281	0.0050	0.3240
Total Lead	MG/L	Exceedance(>0.2)	0	2	0	0	0	0	0	1	0	0	0	0	3
Total Lead	MG/L	Monthly Average	0	0.1679	0.0308	0.0200	0.0316	0.0376	0.0350	0.0686	0.0064	0.0344	0.0281	0.0045	0.1679
pH	PH UNITS	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
pH	PH UNITS	Maximum	0	8.16	8.26	8.26	8.50	8.50	8.68	8.39	8.00	7.99	7.35	7.66	8.68
pH	PH UNITS	Minimum	0	7.74	8.08	7.96	8.10	8.29	8.44	8.01	7.90	7.94	7.35	7.65	7.35
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 12 CONTINUED: Canada Fluorspar Incorporated 2022 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	0.004	0	0	0.013	0	0	0.006	0	0	<0.001	0.013
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.004	0	0	0.013	0	0	0.006	0	0	0.0005	0.013
Radium-226	BQ/L	# of Samples	0	1	1	1	1	1	1	1	1	1	1	1	11
Radium-226	BQ/L	Maximum	0	0.050	0.040	0.010	0.020	0.020	0.020	0.030	0.030	0.070	0.020	<0.005	0.070
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0.050	0.040	0.010	0.020	0.020	0.020	0.030	0.030	0.070	0.020	0.003	0.070
Total Selenium	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Selenium	MG/L	Maximum	0	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0010	0.0010	0.0010	0.0020	0.0020
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0.0020	0.0017	0.0020	0.0020	0.0013	0.0014	0.0016	0.0008	0.0008	0.0010	0.0013	0.0020
Sulphide	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	<0.050	0	0	<0.050	0	0	<0.050	0	0	<0.050	<0.050
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0.025	0	0	0.025	0	0	0.025	0	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	386	0	0	420	0	0	212	0	0	158	420
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	386	0	0	420	0	0	212	0	0	158	420
TDS Measured	MG/L	# of Samples	0	4	5	4	5	4	4	5	3	2	1	1	38
TDS Measured	MG/L	Maximum	0	358	456	436	430	476	470	394	226	212	128	188	476
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	322	413	433	419	450	446	306	209	194	128	188	450
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	1	1	1	1	1	1	1	1	1	1	11
TPH (Atlantic PIRI)	MG/L	Maximum	0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
TSS	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
TSS	MG/L	Maximum	0	176	56	18	26	20	8	39	<5	<5	11	<5	176
TSS	MG/L	Exceedance(>30)	0	2	1	0	0	0	0	1	0	0	0	0	4
TSS	MG/L	Monthly Average	0	90.5	14.7	11.3	11.9	10.5	4.5	9.8	2.5	2.5	11.0	2.5	90.5
Total Zinc	MG/L	# of Samples	0	4	6	4	5	5	4	5	4	2	1	2	42
Total Zinc	MG/L	Maximum	0	0.319	0.126	0.056	0.089	0.090	0.047	0.218	0.029	0.169	0.047	0.028	0.319
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0.189	0.073	0.047	0.049	0.046	0.031	0.075	0.024	0.152	0.047	0.017	0.189

**TABLE 13: Canada Fluorspar Incorporated 2022 WQ STA 25**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Silver	MG/L	Maximum	0	<0.00010	0	0	0	0	0	0	0	0	0	0	<0.00010
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0.00005	0	0	0	0	0	0	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0.0130	0	0	0	0	0	0	0	0	0	0	0.0130
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0.0115	0	0	0	0	0	0	0	0	0	0	0.0115
Total Barium	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Barium	MG/L	Maximum	0	0.108	0	0	0	0	0	0	0	0	0	0	0.108
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0.097	0	0	0	0	0	0	0	0	0	0	0.097
Total Boron	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Boron	MG/L	Maximum	0	0.0140	0	0	0	0	0	0	0	0	0	0	0.0140
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0.0125	0	0	0	0	0	0	0	0	0	0	0.0125
Total Cadmium	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Cadmium	MG/L	Maximum	0	0.00060	0	0	0	0	0	0	0	0	0	0	0.00060
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0.00054	0	0	0	0	0	0	0	0	0	0	0.00054
Total Chromium	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Chromium	MG/L	Maximum	0	0.0020	0	0	0	0	0	0	0	0	0	0	0.0020
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0.0013	0	0	0	0	0	0	0	0	0	0	0.0013
Total Copper	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Copper	MG/L	Maximum	0	0.009	0	0	0	0	0	0	0	0	0	0	0.009
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0.006	0	0	0	0	0	0	0	0	0	0	0.006
Total Iron	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Iron	MG/L	Maximum	0	1.29	0	0	0	0	0	0	0	0	0	0	1.29
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0.78	0	0	0	0	0	0	0	0	0	0	0.78
Total Nickel	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Nickel	MG/L	Maximum	0	0.0040	0	0	0	0	0	0	0	0	0	0	0.0040
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0.0035	0	0	0	0	0	0	0	0	0	0	0.0035
Total Ammonia	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0.190	0	0	0	0	0	0	0	0	0	0	0.190
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0.125	0	0	0	0	0	0	0	0	0	0	0.125

TABLE 13 CONTINUED : Canada Fluorspar Incorporated 2022 WQ STA 25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nitrate	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Nitrate	MG/L	Maximum	0	9.13	0	0	0	0	0	0	0	0	0	0	9.13
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	6.93	0	0	0	0	0	0	0	0	0	0	6.93
Total Lead	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Lead	MG/L	Maximum	0	0.0289	0	0	0	0	0	0	0	0	0	0	0.0289
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0.0226	0	0	0	0	0	0	0	0	0	0	0.0226
pH	PH UNITS	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	7.76	0	0	0	0	0	0	0	0	0	0	7.76
pH	PH UNITS	Minimum	0	7.70	0	0	0	0	0	0	0	0	0	0	7.70
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	<0.0050	0	0	0	0	0	0	0	0	0	0	<0.0050
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0.0025	0	0	0	0	0	0	0	0	0	0	0.0025
Total Selenium	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Selenium	MG/L	Maximum	0	0.0020	0	0	0	0	0	0	0	0	0	0	0.0020
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0.0015	0	0	0	0	0	0	0	0	0	0	0.0015
TDS Measured	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
TDS Measured	MG/L	Maximum	0	208	0	0	0	0	0	0	0	0	0	0	208
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	177	0	0	0	0	0	0	0	0	0	0	177
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	0	0	0	0	0	0	0	0	0	0	1
TPH (Atlantic PIRI)	MG/L	Maximum	0	<0.10	0	0	0	0	0	0	0	0	0	0	<0.10
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0.05	0	0	0	0	0	0	0	0	0	0	0.05
TSS	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
TSS	MG/L	Maximum	0	32	0	0	0	0	0	0	0	0	0	0	32
TSS	MG/L	Exceedance(>30)	0	1	0	0	0	0	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	0	19	0	0	0	0	0	0	0	0	0	0	19
Total Zinc	MG/L	# of Samples	0	2	0	0	0	0	0	0	0	0	0	0	2
Total Zinc	MG/L	Maximum	0	0.084	0	0	0	0	0	0	0	0	0	0	0.084
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0.061	0	0	0	0	0	0	0	0	0	0	0.061

**TABLE 14: Carino 2022 Effluent Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Total Silver	UG/L	Maximum	0	0	0	0	<0.10	0	0	0	0	<1.00	0	<1.00	<1.00
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0	0.050	0	0	0	0	0.275	0	0.275	0.275
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Total Arsenic	UG/L	Maximum	0	0	0	0	1.70	0	0	0	0	<10.0	0	<10.0	<10.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	1.70	0	0	0	0	2.75	0	2.75	2.75
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Total Barium	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	0	<10.0	0	7.1	7.1
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0.5	0	0	0	0	4.9	0	6.1	6.1
Total Boron	UG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
Total Boron	UG/L	Maximum	0	0	0	59	<50	0	0	<500	<500	<500	0	<500	<500
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	59	25	0	0	250	250	175	0	137.5	250
BOD	MG/L	# of Samples	0	0	0	2	0	0	0	1	3	4	0	2	12
BOD	MG/L	Maximum	0	0	0	1600	0	0	0	410	530	750	0	95	1600
BOD	MG/L	Exceedance(>20)	0	0	0	2	0	0	0	1	3	4	0	2	12
BOD	MG/L	Monthly Average	0	0	0	1300	0	0	0	410	473	469	0	75	1300
Cyanide	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Cyanide	MG/L	Maximum	0	0	0	0	<0.0050	0	0	0	0	<0.0050	0	<0.0050	<0.0050
Cyanide	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0	0	0	0	0.0025	0	0	0	0	0.0025	0	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
Total Cadmium	UG/L	Maximum	0	0	0	0.017	<0.010	0	0	0.130	0.130	0.250	0	0.160	0.250
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0.014	0.005	0	0	0.130	0.103	0.142	0	0.097	0.142
Total Chromium	UG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
Total Chromium	UG/L	Maximum	0	0	0	<1.0	2.0	0	0	81.0	81.0	170.0	0	240.0	240.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0.5	2	0	0	81.0	53.7	93.2	0	124.3	124.3
Total Hexavalent Chromium	MG/L	# of Samples	0	0	0	2	0	0	0	1	3	5	0	4	15
Total Hexavalent Chromium	MG/L	Maximum	0	0	0	<0.00099	0	0	0	<0.00099	<0.00099	<0.00099	0	<0.0099	<0.0099
Total Hexavalent Chromium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	MG/L	Monthly Average	0	0	0	0.00050	0	0	0	0.00050	0.00050	0.00050	0	0.00272	0.00272
Total Copper	UG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
Total Copper	UG/L	Maximum	0	0	0	12.0	3.1	0	0	5.1	<50.0	5.6	0	6.2	<50.0
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	7.0	3.1	0	0	5.1	12.1	3.2	0	4.2	12.1

**TABLE 14 CONTINUED: Carino 2022 Effluent Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	UG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	2	4	19
Total Iron	UG/L	Maximum	0	0	0	1000	1900	0	0	3900	4600	10000	27000	30000	30000
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	2	2	4
Total Iron	UG/L	Monthly Average	0	0	0	655	1900	0	0	3900	4067	5148	19000	13625	19000
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Total Mercury	UG/L	Maximum	0	0	0	0	0.042	0	0	0	0	0.072	0	0.085	0.085
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.042	0	0	0	0	0.048	0	0.057	0.057
Total Nickel	UG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
Total Nickel	UG/L	Maximum	0	0	0	92.0	6.5	0	0	45.0	67.0	51.0	0	47.0	92.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	72.5	6.5	0	0	45.0	47.3	40.8	0	29.5	72.5
Total Ammonia	MG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	2	4	19
Total Ammonia	MG/L	Maximum	0	0	0	220.0	23.0	0	0	2.7	2.7	1.9	1.2	1.3	220.0
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	2	1	0	0	1	2	0	0	0	6
Total Ammonia	MG/L	Monthly Average	0	0	0	205.0	23.0	0	0	2.7	2.2	1.7	0.9	1.2	205.0
Nitrate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Nitrate	MG/L	Maximum	0	0	0	0	<0.050	0	0	0	0	<0.50	0	0.15	<0.50
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0.025	0	0	0	0	0.138	0	0.102	0.138
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.010	0	0	0	0	<0.10	0	<0.010	<0.10
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.005	0	0	0	0	0.028	0	0.005	0.028
Total Lead	UG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
Total Lead	UG/L	Maximum	0	0	0	<0.50	6.8	0	0	<5.0	<5.0	<5.0	0	<5.0	6.8
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0.3	6.8	0	0	2.5	2.5	2.0	0	2.0	6.8
pH	PH UNITS	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
pH	PH UNITS	Maximum	0	0	0	7.48	6.98	0	0	7.65	7.65	10.90	0	11.10	11.10
pH	PH UNITS	Minimum	0	0	0	7.30	6.98	0	0	7.65	7.35	7.20	0	7.26	6.98
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	1	0	2	3
Phenolics	MG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	2	4	19
Phenolics	MG/L	Maximum	0	0	0	0.33	0.25	0	0	6.80	6.80	9.60	7.30	9.20	9.60
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	2	1	0	0	1	3	6	2	4	19
Phenolics	MG/L	Monthly Average	0	0	0	0.22	0.25	0	0	6.80	5.63	8.43	6.85	6.30	8.43
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Total Selenium	UG/L	Maximum	0	0	0	0	1.1	0	0	0	0	<5.0	0	<5.0	<5.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	1.1	0	0	0	0	1.9	0	1.4	1.9



**TABLE 14 CONTINUED: Carino 2022 Effluent Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Sulphide	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Sulphide	MG/L	Maximum	0	0	0	0	0.028	0	0	0	0	<0.020	0	<0.020	0.028
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0.028	0	0	0	0	0.010	0	0.010	0.028
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	2	0	2	5
Calculated TDS	MG/L	Maximum	0	0	0	0	2100	0	0	0	0	9800	0	8700	9800
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	1	0	0	0	0	2	0	2	5
Calculated TDS	MG/L	Monthly Average	0	0	0	0	2100	0	0	0	0	7950	0	6750	7950
Total Oil and Grease	MG/L	# of Samples	0	0	0	2	0	0	0	1	3	4	0	2	12
Total Oil and Grease	MG/L	Maximum	0	0	0	4.2	0	0	0	31.0	34.0	43.0	0	25.0	43.0
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	1	3	4	0	1	9
Total Oil and Grease	MG/L	Monthly Average	0	0	0	3.1	0	0	0	31.0	29.3	27.8	0	20.0	31.0
TSS	MG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
TSS	MG/L	Maximum	0	0	0	21	15	0	0	54	54	210	0	220	220
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	1	1	5	0	3	10
TSS	MG/L	Monthly Average	0	0	0	13	15	0	0	54	32	70	0	114	114
Total Zinc	UG/L	# of Samples	0	0	0	2	1	0	0	1	3	6	0	4	17
Total Zinc	UG/L	Maximum	0	0	0	<5.0	<5.0	0	0	150.0	150.0	160.0	0	120.0	160.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	2.5	2.5	0	0	150.0	107.3	94.7	0	57.3	150.0

**TABLE 15: Cenovus Energy Incorporated (Argentia) 2022 Settlement Pond #1 Weir**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Silver	UG/L	Maximum	<10	<1.0	<1.0	<1.0	<1.0	<1.0	0	0	0	<1.0	<1.0	<1.0	<10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	5	0.5	0.5	0.5	0.5	0.5	0	0	0	0.5	0.5	0.5	5
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Arsenic	UG/L	Maximum	<100	<10	<10	<10	<10	<10	0	0	0	<10	<10	<10	<100
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	50	5	5	5	5	5	0	0	0	5	5	5	50
Total Barium	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Barium	UG/L	Maximum	<100	48	46	46	45	45	0	0	0	42	45	47	<100
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	50	48	46	46	45	45	0	0	0	42	45	47	50
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Boron	UG/L	Maximum	<5000	3300	3400	3300	3200	3700	0	0	0	3700	3700	4500	4500
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	2500	3300	3400	3300	3200	3700	0	0	0	3700	3700	4500	4500

**TABLE 15 CONTINUED: Cenovus Energy Incorporated (Argentina) 2022 Settlement Pond #1 Weir**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Cyanide	MG/L	# of Samples	0	0	0	0	0	1	1	1	1	1	1	1	7
Cyanide	MG/L	Maximum	0	0	0	0	0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0	0	0	0	0	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Cadmium	UG/L	Maximum	<1.0	0.67	0.79	0.73	0.64	0.63	0	0	0	0.69	0.69	0.64	0.79
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.5	0.67	0.79	0.73	0.64	0.63	0	0	0	0.69	0.69	0.64	0.79
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Chromium	UG/L	Maximum	<100	<10	<10	<10	<10	<10	0	0	0	<10	<10	<10	<100
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	50	5	5	5	5	5	0	0	0	5	5	5	50
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Copper	UG/L	Maximum	<50	7.9	5.2	6.4	5.2	5.3	0	0	0	5.5	7.5	5.6	<50
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	25	7.9	5.2	6.4	5.2	5.3	0	0	0	5.5	7.5	5.6	25
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Iron	UG/L	Maximum	<5000	<500	<500	<500	<500	<500	0	0	0	<500	<500	<500	<5000
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	2500	250	250	250	250	250	0	0	0	250	250	250	2500
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Mercury	UG/L	Maximum	<0.01	<0.01	<0.013	<0.013	<0.013	<0.013	<0.013	0.013	<0.013	<0.013	<0.013	<0.013	0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.005	0.005	0.0065	0.0065	0.0065	0.0065	0.0065	0.013	0.0065	0.0065	0.0065	0.0065	0.013
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Nickel	UG/L	Maximum	<200	<20	<20	<20	<20	<20	0	0	0	<20	<20	<20	<200
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	100	10	10	10	10	10	0	0	0	10	10	10	100
Total Ammonia	MG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Ammonia	MG/L	Maximum	3.6	3.4	3.3	3.7	3.9	3.7	0	0	0	3.5	3.7	3.4	3.9
Total Ammonia	MG/L	Exceedance(>2)	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Ammonia	MG/L	Monthly Average	3.6	3.4	3.3	3.7	3.9	3.7	0	0	0	3.5	3.7	3.4	3.9
Nitrate	MG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Nitrate	MG/L	Maximum	0.16	0.17	0.25	0.16	0.16	0.14	0	0	0	0.13	0.16	0.16	0.25
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0.16	0.17	0.25	0.16	0.16	0.14	0	0	0	0.13	0.16	0.16	0.25
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Orthophosphate	MG/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	0	<0.010	<0.010	<0.010	<0.010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0	0	0	0.005	0.005	0.005	0.005
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Lead	UG/L	Maximum	<50	<5.0	<5.0	<5.0	<5.0	<5.0	0	0	0	<5.0	<5.0	<5.0	<50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	25	2.5	2.5	2.5	2.5	2.5	0	0	0	2.5	2.5	2.5	25

TABLE 15 CONTINUED: Cenovus Energy Incorporated (Argentina) 2022 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	4	4	5	4	5	4	3	3	4	5	5	4	50
pH	PH UNITS	Maximum	7.69	7.74	7.68	7.72	7.72	7.91	7.65	7.75	7.99	7.88	7.69	7.9	7.99
pH	PH UNITS	Minimum	7.59	7.62	7.62	7.6	7.41	7.7	7.57	7.54	7.71	7.61	7.63	7.7	7.41
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Phenolics	MG/L	Maximum	0.0023	<0.0010	0.0022	0.0011	<0.0020	<0.0010	0.0025	0.015	0.032	<0.0010	<0.0010	<0.0010	0.032
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0023	0.0005	0.0022	0.0011	0.001	0.0005	0.0025	0.015	0.032	0.0005	0.0005	0.0005	0.032
Total Phosphates as P2O5	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	1	3
Total Phosphates as P2O5	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	<0.050	<0.050	<0.050
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0.025	0.025	0.025
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	<0.010	<0.100	0.011	<0.010	<0.010	<0.100
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.013	0.005	0.005	0.005	0.05	0.011	0.005	0.005	0.05
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Selenium	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0	0	0	<5.0	<5.0	<5.0	<5.0
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	25	2.5	2.5	2.5	2.5	2.5	0	0	0	2.5	2.5	2.5	25
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Calculated TDS	MG/L	Maximum	0	0	0	2000	2000	0	0	0	0	0	0	0	2000
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	1	1	0	0	0	0	0	0	0	2
Calculated TDS	MG/L	Monthly Average	0	0	0	2000	2000	0	0	0	0	0	0	0	2000
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
TPH (Atlantic PIRI)	MG/L	Maximum	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
TSS	MG/L	# of Samples	4	4	5	4	5	4	4	4	5	5	5	4	53
TSS	MG/L	Maximum	6.8	6	7.4	7.2	9.4	5.2	4.4	16	9	4.4	15	15	16
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	3.05	3.8	4.12	5.8	5.48	3.7	3.6	9.85	5.08	3.16	5.96	6.75	9.85
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Zinc	UG/L	Maximum	<500	<50	<50	<50	<50	<50	0	0	0	<50	<50	<50	<500
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	250	25	25	25	25	25	0	0	0	25	25	25	250

\*Note 1 in the ECWSR is applied to determine TDS at this location.

**TABLE 16: Cenovus Energy Incorporated (Argentina) 2022 Settlement Pond #2 Weir**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Silver	UG/L	Maximum	<10	<1.0	<1.0	<1.0	<1.0	<1.0	0	0	0	<1.0	<1.0	<10	<10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	5	0.5	0.5	0.5	0.5	0.5	0	0	0	0.5	0.5	5	5
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Arsenic	UG/L	Maximum	<100	<10	<10	<10	<10	<10	0	0	0	<10	<10	<100	<100
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	50	5	5	5	5	5	0	0	0	5	5	50	50
Total Barium	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Barium	UG/L	Maximum	<100	100	100	100	96	96	0	0	0	98	96	100	100
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	50	100	100	100	96	96	0	0	0	98	96	100	100
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Boron	UG/L	Maximum	<5000	2100	2100	2200	2100	2300	0	0	0	2300	2300	<5000	<5000
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	2500	2100	2100	2200	2100	2300	0	0	0	2300	2300	2500	2500
Cyanide	MG/L	# of Samples	0	0	0	0	0	1	1	1	0	1	1	1	6
Cyanide	MG/L	Maximum	0	0	0	0	0	<0.0050	<0.0050	<0.0050	0	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0	0	0	0	0	0.0025	0.0025	0.0025	0	0.0025	0.0025	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Cadmium	UG/L	Maximum	1.1	1.1	1	1.1	1.1	1.1	0	0	0	1.1	1	<1.0	1.1
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	1.1	1.1	1	1.1	1.1	1.1	0	0	0	1.1	1	0.5	1.1
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Chromium	UG/L	Maximum	<100	<10	<10	<10	<10	<10	0	0	0	<10	<10	<100	<100
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	50	5	5	5	5	5	0	0	0	5	5	50	50
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Copper	UG/L	Maximum	<50	<5.0	5	<5.0	5	<5.0	0	0	0	5.5	6.3	<50	<50
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	25	2.5	5	2.5	5	2.5	0	0	0	5.5	6.3	25	25
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Iron	UG/L	Maximum	<5000	<500	<500	<500	<500	<500	0	0	0	<500	<500	<5000	<5000
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	2500	250	250	250	250	250	0	0	0	250	250	2500	2500
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	1	0	1	1	1	11
Total Mercury	UG/L	Maximum	<0.01	0.01	<0.013	<0.013	<0.013	<0.013	<0.013	0.018	0	<0.013	<0.013	0.013	0.018
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.005	0.01	0.0065	0.0065	0.0065	0.0065	0.0065	0.018	0	0.0065	0.0065	0.013	0.018

TABLE 16 CONTINUED: Cenovus Energy Incorporated (Argentia) 2022 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Nickel	UG/L	Maximum	<200	<20	<20	<20	<20	<20	0	0	0	<20	<20	<200	<200
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	100	10	10	10	10	10	0	0	0	10	10	100	100
Total Ammonia	MG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Ammonia	MG/L	Maximum	6.2	5.6	5.7	5.9	5.9	5.3	0	0	0	5.7	5.8	5.7	6.2
Total Ammonia	MG/L	Exceedance(>2)	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Ammonia	MG/L	Monthly Average	6.2	5.6	5.7	5.9	5.9	5.3	0	0	0	5.7	5.8	5.7	6.2
Nitrate	MG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Nitrate	MG/L	Maximum	0.2	0.18	0.21	0.19	0.17	0.18	0	0	0	0.18	0.18	0.18	0.21
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0.2	0.18	0.21	0.19	0.17	0.18	0	0	0	0.18	0.18	0.18	0.21
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Orthophosphate	MG/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	0	<0.010	<0.010	<0.010	<0.010
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0	0	0	0.005	0.005	0.005	0.005
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Lead	UG/L	Maximum	<50	<5.0	<5.0	<5.0	<5.0	<5.0	0	0	0	<5.0	<5.0	<50	<50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	25	2.5	2.5	2.5	2.5	2.5	0	0	0	2.5	2.5	25	25
pH	PH UNITS	# of Samples	4	4	5	4	5	4	3	3	4	5	5	4	50
pH	PH UNITS	Maximum	7.74	7.66	7.67	7.8	7.8	7.94	7.67	7.76	8.11	7.88	7.76	7.87	8.11
pH	PH UNITS	Minimum	7.56	7.63	7.61	7.64	7.64	7.67	7.57	7.55	7.81	7.59	7.53	7.68	7.53
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	1	1	1	1	1	1	1	0	1	1	1	11
Phenolics	MG/L	Maximum	0.0011	<0.0010	0.0011	<0.0010	<0.0010	0.0013	0.0055	0.015	0	<0.0010	<0.0010	<0.0010	0.015
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0011	0.0005	0.0011	0.0005	0.0005	0.0013	0.0055	0.015	0	0.0005	0.0005	0.0005	0.015
Total Phosphates as P2O5	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	1	3
Total Phosphates as P2O5	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	<0.050	<0.050	<0.050
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0.025	0.025	0.025
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	1	0	1	1	1	11
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>0.37)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	0.005	0.005	0.005	0.005
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Selenium	UG/L	Maximum	<50	<5.0	<5.0	<5.0	<5.0	<5.0	0	0	0	<5.0	<5.0	<50	<50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	25	2.5	2.5	2.5	2.5	2.5	0	0	0	2.5	2.5	25	25

**TABLE 16 CONTINUED: Cenovus Energy Incorporated (Argentina) 2022 Settlement Pond #2 Weir**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	1	0	1	1	1	11
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0	<0.020	<0.020	<0.020	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Calculated TDS	MG/L	Maximum	2000	3000	3000	2000	2000	3000	0	0	0	0	3000	2000	3000
Calculated TDS	MG/L	Exceedance(>1000)	1	1	1	1	1	1	0	0	0	0	1	1	8
Calculated TDS	MG/L	Monthly Average	2000	3000	3000	2000	2000	3000	0	0	0	0	3000	2000	3000
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	0	1	1	0	1	1	1	10
TPH (Atlantic PIRI)	MG/L	Maximum	<0.090	<0.090	<0.090	<0.090	<0.090	0	<0.090	<0.090	0	<0.090	<0.090	<0.090	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.045	0.045	0.045	0.045	0.045	0	0.045	0.045	0	0.045	0.045	0.045	0.045
TSS	MG/L	# of Samples	4	4	5	4	5	4	4	4	4	5	5	4	52
TSS	MG/L	Maximum	4.6	8.4	7.6	4	9.4	5.2	3.6	7	6.2	7.4	8.6	5.4	9.4
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	3.7	3.575	4.62	3.3	4.04	2.475	2.85	4.525	4.5	3.4	3	3.1	4.62
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	0	0	0	1	1	1	9
Total Zinc	UG/L	Maximum	<500	<50	<50	<50	<50	<50	0	0	0	210	<50	<500	<500
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	250	25	25	25	25	25	0	0	0	210	25	250	250

\*Note 1 in the ECWSR is applied to determine TDS at this location.

**TABLE 17: Central Regional Waste Services Board 2022 SW9**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Silver	UG/L	Maximum	0	0	0	0	<0.10	0	<0.10	0	<0.10	0	0	0	<0.10
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0	0.05	0	0.05	0	0.05	0	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Arsenic	UG/L	Maximum	0	0	0	0	1.5	0	16	0	8.4	0	0	0	16
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	1.5	0	16	0	8.4	0	0	0	16
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Barium	UG/L	Maximum	0	0	0	0	130	0	370	0	270	0	0	0	370
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	130	0	370	0	270	0	0	0	370
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Boron	UG/L	Maximum	0	0	0	0	110	0	960	0	1300	0	0	0	1300
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	110	0	960	0	1300	0	0	0	1300

TABLE 17 CONTINUED: Central Regional Waste Services Board 2022 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
BOD	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	2	0	4
BOD	MG/L	Maximum	0	0	0	3.9	0	17	0	0	0	0	<5.0	0	17
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	0	0	0	3.9	0	17	0	0	0	0	2.5	0	17
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Cadmium	UG/L	Maximum	0	0	0	0	<0.010	0	<0.010	0	0.019	0	0	0	0.019
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0.005	0	0.005	0	0.019	0	0	0	0.019
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Chromium	UG/L	Maximum	0	0	0	0	1.2	0	4.2	0	3.7	0	0	0	4.2
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	1.2	0	4.2	0	3.7	0	0	0	4.2
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Copper	UG/L	Maximum	0	0	0	0	1.1	0	1.4	0	1.8	0	0	0	1.8
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	1.1	0	1.4	0	1.8	0	0	0	1.8
Total Iron	UG/L	# of Samples	0	0	0	1	2	1	1	0	1	0	2	0	8
Total Iron	UG/L	Maximum	0	0	0	360	320	290	880	0	200	0	790	0	880
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	360	275	290	880	0	200	0	790	0	880
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	0.017	0	0	0	0.017
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0.0065	0	0.0065	0	0.017	0	0	0	0.017
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Nickel	UG/L	Maximum	0	0	0	0	2.9	0	24	0	28	0	0	0	28
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	2.9	0	24	0	28	0	0	0	28
Total Ammonia	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Ammonia	MG/L	Maximum	0	0	0	0	11	0	22	0	2.5	0	0	0	22
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Ammonia	MG/L	Monthly Average	0	0	0	0	11	0	22	0	2.5	0	0	0	22
Nitrate	MG/L	# of Samples	0	0	0	1	2	1	1	0	1	0	2	0	8
Nitrate	MG/L	Maximum	0	0	0	1	4	0.74	0.31	0	2.3	0	36	0	36
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	2	0	2
Nitrate	MG/L	Monthly Average	0	0	0	1	3.15	0.74	0.31	0	2.3	0	36	0	36
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.010	0	0.012	0	<0.010	0	0	0	0.012
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0.005	0	0.012	0	0.005	0	0	0	0.012

TABLE 17 CONTINUED: Central Regional Waste Services Board 2022 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	<0.50	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0.25	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	1	2	1	1	0	1	0	2	0	8
pH	PH UNITS	Maximum	0	0	0	7.88	8.12	8.29	8.33	0	8.6	0	8.48	0	8.6
pH	PH UNITS	Minimum	0	0	0	7.88	7.5	8.29	8.33	0	8.6	0	8.48	0	7.5
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Phenolics	MG/L	Maximum	0	0	0	0	<0.0010	0	0.0015	0	0.001	0	0	0	0.0015
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0.0005	0	0.0015	0	0.001	0	0	0	0.0015
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	<0.50	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0	0.25	0	0	0	0.25
Sulphide	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Sulphide	MG/L	Maximum	0	0	0	0	<0.020	0	0.021	0	<0.020	0	0	0	0.021
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0	0	0.01	0	0.021	0	0.01	0	0	0	0.021
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Calculated TDS	MG/L	Maximum	0	0	0	0	290	0	1000	0	1200	0	0	0	1200
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	1	0	0	0	1
Calculated TDS	MG/L	Monthly Average	0	0	0	0	290	0	1000	0	1200	0	0	0	1200
TSS	MG/L	# of Samples	0	0	0	1	2	1	1	0	1	0	2	0	8
TSS	MG/L	Maximum	0	0	0	5.2	38	13	18	0	7	0	2	0	38
TSS	MG/L	Exceedance(>30)	0	0	0	0	1	0	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	0	0	0	5.2	19.9	13	18	0	7	0	2	0	19.9
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Total Zinc	UG/L	Maximum	0	0	0	0	8.6	0	6.9	0	<5.0	0	0	0	8.6
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	8.6	0	6.9	0	2.5	0	0	0	8.6



**TABLE 18: City of St. John's - Robin Hood Bay Landfill 2022 LW2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Boron	UG/L	Maximum	1600	0	0	1800	0	0	1300	0	0	1600	0	0	1800
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	1600	0	0	1800	0	0	1300	0	0	1600	0	0	1800
BOD	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
BOD	MG/L	Maximum	<40	0	0	<15	0	0	290	0	0	<30	0	0	290
BOD	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	20	0	0	7.5	0	0	290	0	0	15	0	0	290
Cyanide	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Cyanide	MG/L	Maximum	0.0059	0	0	0.0059	0	0	0.022	0	0	<0.0050	0	0	0.022
Cyanide	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0.0059	0	0	0.0059	0	0	0.022	0	0	0.0025	0	0	0.022
Total Cadmium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0.038	0	0	0.014	0	0	0.29	0	0	0.022	0	0	0.29
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.038	0	0	0.014	0	0	0.29	0	0	0.022	0	0	0.29
Total Chromium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	8.7	0	0	6.7	0	0	7.9	0	0	3.9	0	0	8.7
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	8.7	0	0	6.7	0	0	7.9	0	0	3.9	0	0	8.7
Total Hexavalent Chromium	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Hexavalent Chromium	MG/L	Maximum	<0.00099	0	0	<0.00099	0	0	<0.00099	0	0	<0.00099	0	0	<0.00099
Total Hexavalent Chromium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	MG/L	Monthly Average	0.000495	0	0	0.000495	0	0	0.000495	0	0	0.000495	0	0	0.000495
Total Copper	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	5.4	0	0	3.9	0	0	66	0	0	2.3	0	0	66
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	5.4	0	0	3.9	0	0	66	0	0	2.3	0	0	66
Total Iron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	22000	0	0	34000	0	0	9600	0	0	24000	0	0	34000
Total Iron	UG/L	Exceedance(>15000)	1	0	0	1	0	0	0	0	0	1	0	0	3
Total Iron	UG/L	Monthly Average	22000	0	0	34000	0	0	9600	0	0	24000	0	0	34000
Total Mercury	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	0.01	0	0	<0.013	0	0	0.057	0	0	<0.013	0	0	0.057
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.01	0	0	0.0065	0	0	0.057	0	0	0.0065	0	0	0.057
Total Nickel	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	15	0	0	12	0	0	27	0	0	9.2	0	0	27
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	15	0	0	12	0	0	27	0	0	9.2	0	0	27

TABLE 18 CONTINUED: City of St. John's - Robin Hood Bay Landfill 2022 LW2

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	<0.010	0	0	<0.010	0	0	0.23	0	0	<0.010	0	0	0.23
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0	0	0.005	0	0	0.23	0	0	0.005	0	0	0.23
Total Lead	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	2.1	0	0	0.82	0	0	6.7	0	0	<0.50	0	0	6.7
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	2.1	0	0	0.82	0	0	6.7	0	0	0.25	0	0	6.7
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.28	0	0	7.31	0	0	7.27	0	0	7.09	0	0	7.31
pH	PH UNITS	Minimum	7.28	0	0	7.31	0	0	7.27	0	0	7.09	0	0	7.09
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Phenolics	MG/L	Maximum	0.018	0	0	0.0055	0	0	0.47	0	0	0.0032	0	0	0.47
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.018	0	0	0.0055	0	0	0.47	0	0	0.0032	0	0	0.47
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TPH (Atlantic PIRI)	MG/L	Maximum	0.35	0	0	0.23	0	0	0.49	0	0	<0.15	0	0	0.49
TPH (Atlantic PIRI)	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.35	0	0	0.23	0	0	0.49	0	0	0.075	0	0	0.49
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	70	0	0	96	0	0	67	0	0	58	0	0	96
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	70	0	0	96	0	0	67	0	0	58	0	0	96
Total Zinc	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	67	0	0	55	0	0	160	0	0	23	0	0	160
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	67	0	0	55	0	0	160	0	0	23	0	0	160

**TABLE 19: Corner Brook Pulp and Paper 2022 East Sewer**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	5	4	4	4	5	4	4	5	4	5	4	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	5	4	4	4	4	4	4	5	4	5	4	4	51
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.6	0	0	7.66	0	0	7.83	0	0	7.8	0	0	7.83
pH	PH UNITS	Minimum	7.6	0	0	7.66	0	0	7.83	0	0	7.8	0	0	7.6
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 20: Corner Brook Pulp and Paper 2022 Effluent Treatment**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	5	4	4	4	5	4	4	5	4	5	4	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	5	4	4	4	5	4	4	5	4	5	4	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.11	0	0	7.32	0	0	7.48	0	0	7.51	0	0	7.51
pH	PH UNITS	Minimum	7.11	0	0	7.32	0	0	7.48	0	0	7.51	0	0	7.11
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 21: Corner Brook Pulp and Paper 2022 Total Mill Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TSS	Tonnes/ Day	# of Samples	31	28	31	30	31	30	31	31	30	31	30	31	365
TSS	Tonnes/ Day	Maximum	6.0174	3.1096	9.1789	1.4525	1.8289	2.1840	4.3008	2.0671	1.2745	2.2191	3.7185	2.2730	9.1789
TSS	Tonnes/ Day	Exceedance (>14.61)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	Tonnes/ Day	Average	1.4289	1.6167	1.9194	0.8802	1.1754	1.4205	1.7393	1.1393	0.7137	1.5935	1.7377	1.4218	1.9194
TSS	Tonnes/ Day	Exceedance (>9.06)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	# of Samples	12	12	15	12	13	14	12	14	13	12	14	13	156
BOD	Tonnes/ Day	Maximum	1.0201	0.6170	1.0966	0.4164	0.5193	1.1763	1.2083	0.7272	0.4922	0.7815	1.0180	1.1648	1.2083
BOD	Tonnes/ Day	Exceedance (>9.74)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	Average	0.5325	0.4620	0.6805	0.2894	0.3261	0.5425	0.6901	0.3045	0.2249	0.5061	0.5370	0.5806	0.6901
BOD	Tonnes/ Day	Exceedance (>6.04)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 22: Country Ribbon Incorporated (White Hills Road) 2022 Post DAF Sampling**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Boron	UG/L	Maximum	<50	0	0	<50	0	0	70	0	0	0	0	0	70
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	25	0	0	25	0	0	70	0	0	0	0	0	70
BOD	MG/L	# of Samples	4	2	5	3	2	4	4	6	4	4	5	3	46
BOD	MG/L	Maximum	420	480	610	500	520	470	400	400	320	320	450	520	610
BOD	MG/L	Exceedance(>300)	4	2	5	3	2	4	1	3	1	2	3	2	32
BOD	MG/L	Monthly Average	358	400	414	410	425	388	313	322	263	305	334	377	425
Total Cadmium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Cadmium	UG/L	Maximum	0.058	0	0	0.064	0	0	0.046	0	0	0	0	0	0.064
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.058	0	0	0.064	0	0	0.046	0	0	0	0	0	0.064
Total Chromium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Chromium	UG/L	Maximum	1.5	0	0	1.3	0	0	1.3	0	0	0	0	0	1.5
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	1.5	0	0	1.3	0	0	1.3	0	0	0	0	0	1.5
Total Copper	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Copper	UG/L	Maximum	130	0	0	120	0	0	63	0	0	0	0	0	130
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	130	0	0	120	0	0	63	0	0	0	0	0	130
Total Iron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Iron	UG/L	Maximum	480	0	0	440	0	0	320	0	0	0	0	0	480
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	480	0	0	440	0	0	320	0	0	0	0	0	480
Total Mercury	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Mercury	UG/L	Maximum	<0.100	0	0	<0.013	0	0	<0.013	0	0	0	0	0	<0.100
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.050	0	0	0.0065	0	0	0.0065	0	0	0	0	0	0.050
Total Nickel	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Nickel	UG/L	Maximum	2.5	0	0	2.3	0	0	<2.0	0	0	0	0	0	2.5
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	2.5	0	0	2.3	0	0	1	0	0	0	0	0	2.5
Orthophosphate	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Orthophosphate	MG/L	Maximum	5.7	0	0	4.6	0	0	2.9	0	0	0	0	0	5.7
Orthophosphate	MG/L	Exceedance(>4.36)	1	0	0	1	0	0	0	0	0	0	0	0	2
Orthophosphate	MG/L	Monthly Average	5.7	0	0	4.6	0	0	2.9	0	0	0	0	0	5.7
Total Lead	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Lead	UG/L	Maximum	<0.50	0	0	<0.50	0	0	2.3	0	0	0	0	0	2.3
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0	0	0.25	0	0	2.3	0	0	0	0	0	2.3

**TABLE 22 CONTINUED: Country Ribbon Incorporated (White Hills Road) 2022 Post DAF Sampling**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	5	3	5	4	3	4	5	6	4	4	5	3	51
pH	PH UNITS	Maximum	6.96	6.68	7.02	6.7	6.81	6.86	6.9	6.98	7.28	7.09	7.33	6.96	7.33
pH	PH UNITS	Minimum	6.66	6.52	6.59	6.5	6.46	6.76	6.5	6.61	6.81	6.71	6.64	6.65	6.46
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Phenolics	MG/L	Maximum	0.006	0	0	0.0063	0	0	0.011	0	0	0	0	0	0.011
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.006	0	0	0.0063	0	0	0.011	0	0	0	0	0	0.011
Total Oil and Grease	MG/L	# of Samples	4	3	5	3	3	4	4	6	4	4	5	3	48
Total Oil and Grease	MG/L	Maximum	110	120	140	93	140	71	74	50	17	32	91	220	220
Total Oil and Grease	MG/L	Exceedance(>100)	1	1	2	0	1	0	0	0	0	0	0	1	6
Total Oil and Grease	MG/L	Monthly Average	57	100	84	80	85	40	47	20	10	22	52	97	100
TSS	MG/L	# of Samples	4	3	5	3	3	4	4	6	4	4	5	3	48
TSS	MG/L	Maximum	390	360	380	410	370	270	190	140	180	150	210	230	410
TSS	MG/L	Exceedance(>350)	1	1	1	1	2	0	0	0	0	0	0	0	6
TSS	MG/L	Monthly Average	243	320	278	297	287	183	155	122	128	128	176	193	320
Total Zinc	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	0	0	0	3
Total Zinc	UG/L	Maximum	86	0	0	83	0	0	170	0	0	0	0	0	170
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	86	0	0	83	0	0	170	0	0	0	0	0	170

**TABLE 23: Department of Industry, Energy and Technology (Buchans) 2022 PH1 & PH2 Combined**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	30	0	0	0	29	0	0	30
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	30	0	0	0	29	0	0	30
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	<50	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	27	0	0	0	30	0	0	30
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	27	0	0	0	30	0	0	30
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	75	0	0	0	83	0	0	83
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	75	0	0	0	83	0	0	83
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	52	0	0	0	54	0	0	54
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	52	0	0	0	54	0	0	54
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	3.5	0	0	0	3.6	0	0	3.6
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	3.5	0	0	0	3.6	0	0	3.6
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	<0.050	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0.025	0	0	0.025

**TABLE 23 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2022 PH1 & PH2 Combined**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	0	0.83	0	0	0	0.71	0	0	0.83
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.83	0	0	0	0.71	0	0	0.83
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	3.2	0	0	0	2.9	0	0	3.2
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	3.2	0	0	0	2.9	0	0	3.2
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	6.76	0	0	0	6.67	0	0	6.76
pH	PH UNITS	Minimum	0	0	0	0	0	6.76	0	0	0	6.67	0	0	6.67
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	<0.50	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0.25	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	210	0	0	0	210	0	0	210
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	210	0	0	0	210	0	0	210
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
TSS	MG/L	Maximum	0	0	0	0	0	1	0	0	0	<1.0	0	0	1
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	1	0	0	0	0.5	0	0	1
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	11000	0	0	0	12000	0	0	12000
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	11000	0	0	0	12000	0	0	12000

**TABLE 24: Department of Industry, Energy and Technology (Buchans) 2022 Site 1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	17	0	0	0	6.3	0	0	17
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	17	0	0	0	6.3	0	0	17
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	7600	0	0	0	1200	0	0	7600
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Monthly Average	0	0	0	0	0	7600	0	0	0	1200	0	0	7600
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	<50	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	14	0	0	0	7.1	0	0	14
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	14	0	0	0	7.1	0	0	14
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	11	0	0	0	2	0	0	11
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	11	0	0	0	2	0	0	11
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	210	0	0	0	46	0	0	210
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	210	0	0	0	46	0	0	210
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	3800	0	0	0	680	0	0	3800
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	3800	0	0	0	680	0	0	3800
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	0.018	0	0	0.018
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0.018	0	0	0.018
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	4.3	0	0	0	2.7	0	0	4.3
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	4.3	0	0	0	2.7	0	0	4.3
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	<0.050	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0.025	0	0	0.025



**TABLE 24 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2022 Site 1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	<0.050	0	0	<0.050
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0.025	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	1500	0	0	0	410	0	0	1500
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Monthly Average	0	0	0	0	0	1500	0	0	0	410	0	0	1500
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	7.54	0	0	0	7.71	0	0	7.71
pH	PH UNITS	Minimum	0	0	0	0	0	7.54	0	0	0	7.71	0	0	7.54
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	<0.50	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0.25	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	74	0	0	0	140	0	0	140
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	74	0	0	0	140	0	0	140
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
TSS	MG/L	Maximum	0	0	0	0	0	84	0	0	0	13	0	0	84
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	1	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	0	0	0	0	0	84	0	0	0	13	0	0	84
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	3800	0	0	0	1500	0	0	3800
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	3800	0	0	0	1500	0	0	3800

**TABLE 25: Department of Industry, Energy and Technology (Buchans) 2022 Site 12**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	72	0	0	0	43	0	0	72
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	72	0	0	0	43	0	0	72
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	<50	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	99	0	0	0	110	0	0	110
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	99	0	0	0	110	0	0	110
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	840	0	0	0	760	0	0	840
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Monthly Average	0	0	0	0	0	840	0	0	0	760	0	0	840
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	170	0	0	0	180	0	0	180
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	170	0	0	0	180	0	0	180
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	7.9	0	0	0	9.4	0	0	9.4
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	7.9	0	0	0	9.4	0	0	9.4

TABLE 25 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2022 Site 12

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0.085	0	0	0.085
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0.085	0	0	0.085
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	0	0.089	0	0	0	0.051	0	0	0.089
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.089	0	0	0	0.051	0	0	0.089
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	660	0	0	0	450	0	0	660
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Monthly Average	0	0	0	0	0	660	0	0	0	450	0	0	660
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	7.15	0	0	0	7.28	0	0	7.28
pH	PH UNITS	Minimum	0	0	0	0	0	7.15	0	0	0	7.28	0	0	7.15
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	<0.50	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0.25	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	280	0	0	0	350	0	0	350
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	280	0	0	0	350	0	0	350
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
TSS	MG/L	Maximum	0	0	0	0	0	7.6	0	0	0	7.4	0	0	7.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	7.6	0	0	0	7.4	0	0	7.6
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	27000	0	0	0	31000	0	0	31000
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	27000	0	0	0	31000	0	0	31000

**TABLE 26: Department of Industry, Energy and Technology (Buchans) 2022 Site 17**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	23	0	0	0	19	0	0	23
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	23	0	0	0	19	0	0	23
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	53	0	0	0	<50	0	0	53
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	53	0	0	0	25	0	0	53
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0.53	0	0	0	0.61	0	0	0.61
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.53	0	0	0	0.61	0	0	0.61
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	3	0	0	0	2.2	0	0	3
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	3	0	0	0	2.2	0	0	3
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	110	0	0	0	180	0	0	180
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	110	0	0	0	180	0	0	180
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	<2.0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	1	0	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	<0.050	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0.025	0	0	0.025

TABLE 26 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2022 Site 17

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	0	0.23	0	0	0	<0.050	0	0	0.23
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.23	0	0	0	0.025	0	0	0.23
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	<0.50	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0.25	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	8.31	0	0	0	8.13	0	0	8.31
pH	PH UNITS	Minimum	0	0	0	0	0	8.31	0	0	0	8.13	0	0	8.13
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	<0.50	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0.25	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	620	0	0	0	560	0	0	620
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	620	0	0	0	560	0	0	620
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
TSS	MG/L	Maximum	0	0	0	0	0	1.2	0	0	0	<1.0	0	0	1.2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	1.2	0	0	0	0.5	0	0	1.2
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	1300	0	0	0	2300	0	0	2300
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	1300	0	0	0	2300	0	0	2300

**TABLE 27: Department of Industry, Energy and Technology (Buchans) 2022 Site 2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	420	0	0	0	560	0	0	560
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	420	0	0	0	560	0	0	560
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	<50	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	1.9	0	0	0	1.9	0	0	1.9
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	1.9	0	0	0	1.9	0	0	1.9
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	8.8	0	0	0	12	0	0	12
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	8.8	0	0	0	12	0	0	12
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	170	0	0	0	190	0	0	190
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	170	0	0	0	190	0	0	190
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	0	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2.0	0	0	0	<2.0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	1	0	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0.053	0	0	0.053
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0.053	0	0	0.053

**TABLE 27 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2022 Site 2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Nitrate	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	<0.050	0	0	<0.050
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0.025	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	44	0	0	0	73	0	0	73
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	44	0	0	0	73	0	0	73
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	7.42	0	0	0	7.41	0	0	7.42
pH	PH UNITS	Minimum	0	0	0	0	0	7.42	0	0	0	7.41	0	0	7.41
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<0.50	0	0	0	<0.50	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0.25	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	32	0	0	0	32	0	0	32
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	32	0	0	0	32	0	0	32
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
TSS	MG/L	Maximum	0	0	0	0	0	1.2	0	0	0	1.4	0	0	1.4
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	1.2	0	0	0	1.4	0	0	1.4
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	510	0	0	0	480	0	0	510
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	510	0	0	0	480	0	0	510

**TABLE 28: Department of Industry, Energy and Technology (Hope Brook) 2022 BHB#6**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	27	0	0	0	0	0	27
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	0	27	0	0	0	0	0	27
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0.16	0	0	0	0	0	0.16
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0.16	0	0	0	0	0	0.16
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	42	0	0	0	0	0	42
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	42	0	0	0	0	0	42
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	55	0	0	0	0	0	55
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	0	55	0	0	0	0	0	55
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	<2.0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0.025	0	0	0	0	0	0.025



**TABLE 28 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2022 BHB#6**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0	0.55	0	0	0	0	0	0.55
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0.55	0	0	0	0	0	0.55
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.18	0	0	0	0	0	7.18
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.18	0	0	0	0	0	7.18
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	85	0	0	0	0	0	85
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	85	0	0	0	0	0	85
TSS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	27	0	0	0	0	0	27
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	27	0	0	0	0	0	27

**TABLE 29: Department of Industry, Energy and Technology (Hope Brook) 2022 Banana Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	13	0	0	0	0	0	13
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	0	13	0	0	0	0	0	13
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0.025	0	0	0	0	0	0.025
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0.025	0	0	0	0	0	0.025
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	8.7	0	0	0	0	0	8.7
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	8.7	0	0	0	0	0	8.7
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	130	0	0	0	0	0	130
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	0	130	0	0	0	0	0	130
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	<2.0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0.025	0	0	0	0	0	0.025

**TABLE 29 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2022 Banana Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0	0.13	0	0	0	0	0	0.13
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0.13	0	0	0	0	0	0.13
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.2	0	0	0	0	0	7.2
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.2	0	0	0	0	0	7.2
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	69	0	0	0	0	0	69
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	69	0	0	0	0	0	69
TSS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	0	1	0	0	0	0	0	1
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	5.9	0	0	0	0	0	5.9
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	5.9	0	0	0	0	0	5.9

**TABLE 30: Department of Industry, Energy and Technology (Hope Brook) 2022 Inlet to BHB**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	14	0	0	0	0	0	14
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	0	14	0	0	0	0	0	14
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0.021	0	0	0	0	0	0.021
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0.021	0	0	0	0	0	0.021
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	16	0	0	0	0	0	16
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	16	0	0	0	0	0	16
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	220	0	0	0	0	0	220
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	0	220	0	0	0	0	0	220
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	<2.0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0.025	0	0	0	0	0	0.025

**TABLE 30 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2022 Inlet to BHB**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0	0.054	0	0	0	0	0	0.054
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0.054	0	0	0	0	0	0.054
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	6.83	0	0	0	0	0	6.83
pH	PH UNITS	Minimum	0	0	0	0	0	0	6.83	0	0	0	0	0	6.83
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	32	0	0	0	0	0	32
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	32	0	0	0	0	0	32
TSS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	0	1	0	0	0	0	0	1
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	6.8	0	0	0	0	0	6.8
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	6.8	0	0	0	0	0	6.8

**TABLE 31: Department of Industry, Energy and Technology (Hope Brook) 2022 Open Pit Spillway**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	11	0	0	0	0	0	11
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	0	11	0	0	0	0	0	11
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0.034	0	0	0	0	0	0.034
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0.034	0	0	0	0	0	0.034
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	1.6	0	0	0	0	0	1.6
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	1.6	0	0	0	0	0	1.6
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	960	0	0	0	0	0	960
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	0	960	0	0	0	0	0	960
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	3.7	0	0	0	0	0	3.7
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	0	3.7	0	0	0	0	0	3.7
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	0.066	0	0	0	0	0	0.066
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0.066	0	0	0	0	0	0.066

**TABLE 31 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2022 Open Pit Spillway**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0	0.12	0	0	0	0	0	0.12
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0.12	0	0	0	0	0	0.12
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	7.44	0	0	0	0	0	7.44
pH	PH UNITS	Minimum	0	0	0	0	0	0	7.44	0	0	0	0	0	7.44
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	580	0	0	0	0	0	580
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	580	0	0	0	0	0	580
TSS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	0	1	0	0	0	0	0	1
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	5.8	0	0	0	0	0	5.8
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	5.8	0	0	0	0	0	5.8

**TABLE 32: Department of Industry, Energy and Technology (Hope Brook) 2022 Pine Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	28	0	0	0	0	0	28
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	0	28	0	0	0	0	0	28
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	0	25	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0.036	0	0	0	0	0	0.036
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0.036	0	0	0	0	0	0.036
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	<1.0	0	0	0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	15	0	0	0	0	0	15
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	15	0	0	0	0	0	15
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	140	0	0	0	0	0	140
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	0	140	0	0	0	0	0	140
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	<0.013	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0	0.0065	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	<2.0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Ammonia	MG/L	Maximum	0	0	0	0	0	0	<0.050	0	0	0	0	0	<0.050
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0	0.025	0	0	0	0	0	0.025



**TABLE 32 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2022 Pine Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Nitrate	MG/L	Maximum	0	0	0	0	0	0	0.062	0	0	0	0	0	0.062
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0	0	0	0	0.062	0	0	0	0	0	0.062
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	5.49	0	0	0	0	0	5.49
pH	PH UNITS	Minimum	0	0	0	0	0	0	5.49	0	0	0	0	0	5.49
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	<0.50	0	0	0	0	0	<0.50
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0	0.25	0	0	0	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	29	0	0	0	0	0	29
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	0	29	0	0	0	0	0	29
TSS	MG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	0	0	1.4	0	0	0	0	0	1.4
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	0	1.4	0	0	0	0	0	1.4
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	1	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	8.5	0	0	0	0	0	8.5
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	8.5	0	0	0	0	0	8.5

**TABLE 33: Department of Transportation and Infrastructure (Grand Falls) 2022 North Sewer**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Silver	MG/L	Maximum	0	0	<0.00005	0	0	0	<0.0006	0	<0.00005	0	0	<0.00005	<0.0006
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0.000025	0	0	0	0.0003	0	0.000025	0	0	0.000025	0.0003
Total Arsenic	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Arsenic	MG/L	Maximum	0	0	0.0017	0	0	0	0.0034	0	0.0073	0	0	0.0024	0.0073
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0.0017	0	0	0	0.0034	0	0.0073	0	0	0.0024	0.0073
Total Barium	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Barium	MG/L	Maximum	0	0	0.037	0	0	0	<0.006	0	0.0694	0	0	0.0512	0.0694
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0.037	0	0	0	0.003	0	0.0694	0	0	0.0512	0.0694
Total Boron	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Boron	MG/L	Maximum	0	0	0.093	0	0	0	0.104	0	0.125	0	0	0.144	0.144
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0.093	0	0	0	0.104	0	0.125	0	0	0.144	0.144
Total Cadmium	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Cadmium	MG/L	Maximum	0	0	0.000171	0	0	0	<0.0002	0	0.000193	0	0	0.000393	0.000393
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0.000171	0	0	0	0.0001	0	0.000193	0	0	0.000393	0.000393
Total Chromium	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Chromium	MG/L	Maximum	0	0	0.00378	0	0	0	<0.0003	0	0.00278	0	0	0.00838	0.00838
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0.00378	0	0	0	0.00015	0	0.00278	0	0	0.00838	0.00838
Total Copper	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Copper	MG/L	Maximum	0	0	0.034	0	0	0	0.0025	0	0.011	0	0	0.105	0.105
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0.034	0	0	0	0.0025	0	0.011	0	0	0.105	0.105
Total Iron	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Iron	MG/L	Maximum	0	0	2.98	0	0	0	0.3	0	9.35	0	0	4.86	9.35
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	2.98	0	0	0	0.3	0	9.35	0	0	4.86	9.35
Total Mercury	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Mercury	MG/L	Maximum	0	0	0.00001	0	0	0	<0.0002	0	0.00001	0	0	<0.00001	<0.0002
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0.00001	0	0	0	0.0001	0	0.00001	0	0	0.000005	0.0001
Total Nickel	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Nickel	MG/L	Maximum	0	0	0.0087	0	0	0	<0.0004	0	0.0029	0	0	0.0158	0.0158
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0.0087	0	0	0	0.0002	0	0.0029	0	0	0.0158	0.0158
Total Ammonia	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Ammonia	MG/L	Maximum	0	0	0.08	0	0	0	0.04	0	0.09	0	0	0.09	0.09
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0.08	0	0	0	0.04	0	0.09	0	0	0.09	0.09

**TABLE 33 CONTINUED: Department of Transportation and Infrastructure (Grand Falls) 2022 North Sewer**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nitrate	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Nitrate	MG/L	Maximum	0	0	0.23	0	0	0	0.28	0	0.32	0	0	0.45	0.45
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0.23	0	0	0	0.28	0	0.32	0	0	0.45	0.45
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Orthophosphate	MG/L	Maximum	0	0	<0.03	0	0	0	<0.03	0	<0.03	0	0	0.07	0.07
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.015	0	0	0	0.015	0	0.015	0	0	0.07	0.07
Total Lead	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Lead	MG/L	Maximum	0	0	0.00081	0	0	0	0.00089	0	0.00243	0	0	0.00107	0.00243
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0.00081	0	0	0	0.00089	0	0.00243	0	0	0.00107	0.00243
pH	PH UNITS	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
pH	PH UNITS	Maximum	0	0	7.08	0	0	0	7.57	0	7.56	0	0	7.28	7.57
pH	PH UNITS	Minimum	0	0	7.08	0	0	0	7.57	0	7.56	0	0	7.28	7.08
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Phenolics	MG/L	Maximum	0	0	0.003	0	0	0	<0.002	0	0.004	0	0	<0.002	0.004
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.003	0	0	0	0.001	0	0.004	0	0	0.001	0.004
Total Selenium	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Selenium	MG/L	Maximum	0	0	0.00019	0	0	0	<0.0008	0	0.00136	0	0	0.00036	0.00136
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0.00019	0	0	0	0.0004	0	0.00136	0	0	0.00036	0.00136
Sulphide	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Sulphide	MG/L	Maximum	0	0	<0.015	0	0	0	<0.015	0	<0.015	0	0	<0.015	<0.015
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0	0	0.0075	0	0	0	0.0075	0	0.0075	0	0	0.0075	0.0075
TDS Measured	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
TDS Measured	MG/L	Maximum	0	0	439	0	0	0	532	0	503	0	0	586	586
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	0	0	439	0	0	0	532	0	503	0	0	586	586
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	<0.1	0	0	0	<0.1	0	<0.1	0	0	0.2	0.2
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0.05	0	0	0	0.05	0	0.05	0	0	0.2	0.2
TSS	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
TSS	MG/L	Maximum	0	0	26	0	0	0	15	0	27	0	0	17	27
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	26	0	0	0	15	0	27	0	0	17	27
Total Zinc	MG/L	# of Samples	0	0	1	0	0	0	1	0	2	0	0	1	5
Total Zinc	MG/L	Maximum	0	0	0.057	0	0	0	<0.01	0	0.028	0	0	0.134	0.134
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0.057	0	0	0	0.005	0	0.028	0	0	0.134	0.134

**TABLE 34: GFL Environmental Services 2022 Waste Water Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Boron	UG/L	Maximum	<50	250	320	260	250	330	310	230	350	330	190	430	430
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	25	152	255	155	167	178	283	230	300	330	141	325	330
Cyanide	MG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Cyanide	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Cadmium	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Cadmium	UG/L	Maximum	0.086	0.034	<0.100	0.036	0.040	<0.100	0.073	0.190	0.210	0.220	0.080	0.110	0.220
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0.086	0.030	0.038	0.030	0.032	0.028	0.051	0.135	0.137	0.220	0.074	0.092	0.220
Total Chromium	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Chromium	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total Copper	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Copper	UG/L	Maximum	2.2	5.6	8.7	4.6	4.6	63	6.9	4.3	4.8	6.7	5.5	7.2	63
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2.2	3.9	7.1	3.4	3.5	34.8	6.0	3.9	4.6	6.7	3.8	5.5	34.8
Total Iron	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Iron	UG/L	Maximum	120	220	480	260	180	290	950	1000	330	1400	270	270	1400
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	120	165	340	197	148	158	690	625	285	1400	230	270	1400
Total Mercury	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Mercury	UG/L	Maximum	<0.010	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.013	<0.013	<0.013	<0.013	0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0050	0.0058	0.0058	0.0065	0.0065	0.0065	0.0065	0.0065	0.0098	0.0065	0.0065	0.0065	0.0098
Total Nickel	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Nickel	UG/L	Maximum	<2.0	3.8	5.9	4.6	4.1	4.7	5.5	5.2	5.7	6.3	3.3	8.8	8.8
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	1.0	2.4	4.5	2.9	2.7	2.9	5.1	5.0	4.7	6.3	2.2	6.5	6.5
Total Lead	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Lead	UG/L	Maximum	<0.50	0.74	1.20	0.80	<0.50	<0.50	1.20	0.61	<0.50	<0.50	<0.50	0.71	1.20
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.50	1.02	0.55	0.25	0.25	0.79	0.43	0.25	0.25	0.25	0.48	1.02
pH	PH UNITS	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
pH	PH UNITS	Maximum	7.01	7.01	6.94	7.50	7.79	7.49	7.66	7.40	7.36	7.33	7.54	7.31	7.79
pH	PH UNITS	Minimum	7.01	6.71	6.76	7.18	7.46	7.47	7.16	7.24	6.94	7.33	7.39	6.98	6.71
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 34 CONTINUED: GFL Environmental Services 2022 Waste Water Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	MG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Phenolics	MG/L	Maximum	0.0037	0.0220	0.0160	0.0150	0.0220	0.0160	0.0180	0.0180	0.0130	0.0140	0.0058	0.0072	0.0220
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0037	0.0200	0.0130	0.0078	0.0138	0.0083	0.0173	0.0170	0.0111	0.0140	0.0052	0.0068	0.0200
Total Phosphates as P2O5	MG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Phosphates as P2O5	MG/L	Maximum	0.1	8.4	6.2	7.4	6.8	3.0	6.5	6.5	7.4	6.1	3.9	11.0	11.0
Total Phosphates as P2O5	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Phosphates as P2O5	MG/L	Monthly Average	0.1	8.3	3.8	4.6	5.5	1.5	6.1	6.1	6.1	6.1	3.0	8.2	8.3
TPH (Atlantic PIRI)	MG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
TPH (Atlantic PIRI)	MG/L	Maximum	0.25	0.22	<0.09	0.30	0.56	0.30	0.22	0.35	0.80	0.23	0.23	0.29	0.80
TPH (Atlantic PIRI)	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.25	0.19	0.05	0.13	0.27	0.17	0.15	0.34	0.52	0.23	0.14	0.19	0.52
TSS	MG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
TSS	MG/L	Maximum	2.2	11.0	3.8	2.0	1.2	2.4	3.0	3.8	2.2	5.0	2.0	2.4	11.0
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2.2	7.1	2.4	1.0	0.7	1.7	2.8	2.8	2.0	5.0	1.6	1.9	7.1
Total Zinc	UG/L	# of Samples	1	2	2	3	3	2	3	2	2	1	2	2	25
Total Zinc	UG/L	Maximum	110	200	300	230	210	270	240	210	350	310	150	410	410
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	110	124	230	139.33333	146.66667	136.25	200	205	255	310	112	315	315

**TABLE 35: Iron Ore Company of Canada (Labrador City) 2022 FDP-HC**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	5	1	1	1	1	4	1	1	19
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	5	1	1	1	1	4	1	1	19
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	5	1	1	1	1	4	1	1	19
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	4	1	1	1	1	3	1	1	17
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	1	0	0	0	0	1	0	0	2
Total Arsenic	MG/L	# of Samples	5	4	4	4	4	4	5	5	4	6	5	4	54
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0017	0.0018	0.0014	0.0013	<0.0010	0.0018
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0010	0.0008	0.0011	0.0008	0.0005	0.0011
Total Copper	MG/L	# of Samples	5	4	4	4	4	4	5	5	4	6	5	4	54
Total Copper	MG/L	Maximum	<0.00050	0.0013	0.0007	0.0030	0.0150	0.0017	0.0011	0.0024	0.0025	0.0012	0.0010	0.0007	0.0150
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0003	0.0008	0.0005	0.0012	0.0068	0.0011	0.0006	0.0010	0.0015	0.0007	0.0007	0.0005	0.0068
Un-ionized Ammonia	MG/L	# of Samples	5	4	4	1	4	4	5	5	4	6	5	4	51
Un-ionized Ammonia	MG/L	Maximum	0.0030	0.0160	0.0023	0.0004	0.0850	0.0490	0.0590	0.1100	0.0610	0.1800	0.1800	0.0510	0.1800
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0011	0.0056	0.0010	0.0004	0.0490	0.0388	0.0274	0.0642	0.0468	0.0494	0.0518	0.0223	0.0642
Total Nickel	MG/L	# of Samples	5	4	4	4	4	4	5	5	4	6	5	4	54
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	0.0021	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0021
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0010	0.0010	0.0010	0.0013	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0013
Total Lead	MG/L	# of Samples	5	4	4	4	4	4	5	5	4	6	5	4	54
Total Lead	MG/L	Maximum	<0.0005	<0.0005	<0.0005	0.0026	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0026
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0.0003	0.0003	0.0008	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0008
pH	PH UNITS	# of Samples	5	4	4	4	4	4	5	5	3	6	5	4	53
pH	PH UNITS	Maximum	8.16	8.01	8.10	8.10	8.13	8.16	8.12	8.15	8.06	8.33	8.33	8.25	8.33
pH	PH UNITS	Minimum	7.92	7.96	8.03	8.00	8.01	8.03	7.95	7.90	7.86	7.79	7.78	8.06	7.78
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	4	4	4	4	4	5	5	4	6	4	4	53
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TSS	MG/L	# of Samples	5	4	4	4	4	4	5	5	4	6	5	4	54
TSS	MG/L	Maximum	1.2	3.1	1.2	1.2	15.0	1.9	3.2	2.6	1.8	0.5	2.9	1.4	15.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.9	1.6	0.8	0.7	7.6	1.3	1.5	1.3	1.5	0.3	1.1	0.8	7.6
Total Zinc	MG/L	# of Samples	5	4	4	4	4	4	5	5	4	6	5	4	54
Total Zinc	MG/L	Maximum	0.0060	<0.0050	<0.0050	0.0064	0.0055	<0.0050	0.0062	0.0055	<0.0050	<0.0050	<0.0050	0.0057	0.0064
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0032	0.0025	0.0025	0.0035	0.0033	0.0025	0.0045	0.0031	0.0025	0.0025	0.0025	0.0033	0.0045

**TABLE 36: Iron Ore Company of Canada (Labrador City) 2022 FDP-JN**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	2	1	1	1	1	13
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	2	1	1	1	1	13
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	1	1	1	1	12
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	3	4	5	4	5	4	4	5	3	4	6	4	51
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	3	4	5	4	5	4	4	5	3	4	6	4	51
Total Copper	MG/L	Maximum	0.0005	0.0010	0.0012	0.0010	0.0007	0.0020	0.0008	0.0012	0.0008	0.0010	0.0007	0.0021	0.0021
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0003	0.0006	0.0009	0.0006	0.0004	0.0010	0.0007	0.0008	0.0005	0.0006	0.0005	0.0009	0.0010
Un-ionized Ammonia	MG/L	# of Samples	3	4	5	1	5	4	4	5	3	4	6	4	48
Un-ionized Ammonia	MG/L	Maximum	0.0024	<0.0005	<0.0005	<0.0004	<0.0013	<0.0016	<0.0017	0.0028	0.0017	<0.0007	0.0005	<0.0004	0.0028
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0011	0.0003	0.0003	0.0002	0.0003	0.0004	0.0004	0.0013	0.0007	0.0003	0.0002	0.0002	0.0013
Total Nickel	MG/L	# of Samples	3	4	5	4	5	4	4	5	3	4	6	4	51
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
Total Lead	MG/L	# of Samples	3	4	5	4	5	4	4	5	3	4	6	4	51
Total Lead	MG/L	Maximum	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0013
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0003	0.0003	0.0003	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0005
pH	PH UNITS	# of Samples	3	4	5	4	5	4	4	5	3	4	6	4	51
pH	PH UNITS	Maximum	7.91	7.89	7.94	7.91	7.93	7.98	8.05	8.01	8.00	7.99	8.01	8.25	8.25
pH	PH UNITS	Minimum	7.82	7.74	7.75	7.84	7.49	7.83	7.92	7.72	7.88	7.87	7.73	7.95	7.49
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	3	4	5	4	5	4	4	5	3	4	5	4	50
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TSS	MG/L	# of Samples	3	4	5	4	5	4	4	5	3	4	6	4	51
TSS	MG/L	Maximum	<1.0	0.8	1.2	2.7	4.2	6.3	6.0	3.1	2.4	2.9	2.3	2.1	6.3
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.3	0.5	0.7	1.1	1.8	3.4	2.7	1.7	1.3	2.2	1.8	1.1	3.4
Total Zinc	MG/L	# of Samples	3	4	5	4	5	4	4	5	3	4	6	4	51
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	<0.0050	0.0150	0.0084	0.0210	0.0065	0.0220	<0.0050	<0.0050	<0.0050	0.0087	0.0220
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0086	0.0037	0.0103	0.0035	0.0064	0.0025	0.0025	0.0025	0.0041	0.0103

**TABLE 37: Iron Ore Company of Canada (Labrador City) 2022 FDP-LLN**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	2	1	1	2	1	1	1	0	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	2	1	1	2	1	1	1	0	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	2	1	1	1	1	1	1	0	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	2	1	1	1	1	1	1	0	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	4	4	5	4	6	5	0	29
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	0	1	4	4	5	4	6	5	0	29
Total Copper	MG/L	Maximum	0	0	0	0	0.00066	0.00360	0.00096	0.00170	0.00120	0.00110	0.00074	0	0.00360
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.00066	0.00124	0.00080	0.00097	0.00081	0.00069	0.00049	0	0.00124
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	1	4	4	5	4	6	5	0	29
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	<0.0004	0.0088	0.0086	0.0079	0.0070	0.0051	0.0110	0	0.0110
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0.0002	0.0030	0.0027	0.0032	0.0037	0.0026	0.0045	0	0.0045
Total Nickel	MG/L	# of Samples	0	0	0	0	1	4	4	5	4	6	5	0	29
Total Nickel	MG/L	Maximum	0	0	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0043	0	0.0043
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0017	0	0.0017
Total Lead	MG/L	# of Samples	0	0	0	0	1	4	4	5	4	6	5	0	29
Total Lead	MG/L	Maximum	0	0	0	0	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0	0.00025
pH	PH UNITS	# of Samples	0	0	0	0	1	4	4	5	4	6	5	0	29
pH	PH UNITS	Maximum	0	0	0	0	8.12	8.44	8.54	8.55	8.55	8.44	8.37	0	8.55
pH	PH UNITS	Minimum	0	0	0	0	8.12	8.28	8.45	8.39	8.39	8.21	8.32	0	8.12
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	4	4	5	4	6	4	0	28
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	0.005
TSS	MG/L	# of Samples	0	0	0	0	1	4	4	5	4	6	5	0	29
TSS	MG/L	Maximum	0	0	0	0	7.3	12.0	3.9	5.2	6.0	4.8	5.0	0	12.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	7.3	5.5	2.7	2.7	4.2	4.0	2.8	0	7.3
Total Zinc	MG/L	# of Samples	0	0	0	0	1	4	4	5	4	6	5	0	29
Total Zinc	MG/L	Maximum	0	0	0	0	0.0073	0.0094	0.0078	0.0270	0.0160	<0.0050	0.0065	0	0.0270
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0073	0.0066	0.0051	0.0109	0.0070	0.0025	0.0033	0	0.0109



**TABLE 38: Iron Ore Company of Canada (Labrador City) 2022 FDP-MD30**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	0	2	1	1	1	1	1	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	0	2	1	1	1	1	1	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	0	2	1	1	1	1	1	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	0	2	1	1	1	1	1	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	1	0	0	0	6	4	4	5	4	6	5	4	39
Total Arsenic	MG/L	Maximum	<0.0010	0	0	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0	0	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	1	0	0	0	6	4	4	5	4	6	5	4	39
Total Copper	MG/L	Maximum	0.0017	0	0	0	0.0018	<0.0005	<0.0005	0.0230	0.0006	<0.0005	0.0012	<0.0005	0.0230
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0017	0	0	0	0.0006	0.0003	0.0003	0.0050	0.0003	0.0003	0.0004	0.0003	0.0050
Un-ionized Ammonia	MG/L	# of Samples	1	0	0	0	6	4	4	5	4	6	5	4	39
Un-ionized Ammonia	MG/L	Maximum	<0.00050	0	0	0	0.00050	<0.00110	<0.00160	0.00870	0.00190	0.00260	0.00750	<0.00054	0.00870
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00025	0	0	0	0.00032	0.00029	0.00048	0.00333	0.00146	0.00137	0.00214	0.00023	0.00333
Total Nickel	MG/L	# of Samples	1	0	0	0	6	4	4	5	4	6	5	4	39
Total Nickel	MG/L	Maximum	<0.0020	0	0	0	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0	0	0	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
Total Lead	MG/L	# of Samples	1	0	0	0	6	4	4	5	4	6	5	4	39
Total Lead	MG/L	Maximum	<0.00050	0	0	0	<0.00050	<0.00050	<0.00050	0.00089	<0.00050	<0.00050	<0.00050	<0.00050	0.00089
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0	0	0	0.00025	0.00025	0.00025	0.00038	0.00025	0.00025	0.00025	0.00025	0.00038
pH	PH UNITS	# of Samples	1	0	0	0	6	4	4	5	4	6	5	4	39
pH	PH UNITS	Maximum	8.16	0	0	0	8.01	8.33	8.44	8.48	8.48	8.4	8.34	8.44	8.48
pH	PH UNITS	Minimum	8.16	0	0	0	7.25	7.98	8.36	8.33	8.35	8.3	7.97	8.26	7.25
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	0	0	0	6	4	4	5	4	6	4	4	38
Radium-226	BQ/L	Maximum	<0.010	0	0	0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TSS	MG/L	# of Samples	1	0	0	0	6	4	4	5	4	6	5	4	39
TSS	MG/L	Maximum	<0.50	0	0	0	37.00	5.00	2.90	1.70	1.40	1.00	1.10	0.70	37.00
TSS	MG/L	Exceedance(>30)	0	0	0	0	1	0	0	0	0	0	0	0	1
TSS	MG/L	Monthly Average	0.25	0	0	0	7.97	1.66	0.91	1.28	1.08	0.74	0.68	0.51	7.97
Total Zinc	MG/L	# of Samples	1	0	0	0	6	4	4	5	4	6	5	4	39
Total Zinc	MG/L	Maximum	<0.0050	0	0	0	0.0200	<0.0050	<0.0050	0.0180	<0.0050	0.0054	<0.0050	<0.0050	0.0200
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0	0	0.0089	0.0025	0.0025	0.0086	0.0025	0.0030	0.0025	0.0025	0.0089

**TABLE 39: Iron Ore Company of Canada (Labrador City) 2022 FDP-W3-02**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	0	1	1	1	1	1	1	0	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	0	1	1	1	1	1	1	0	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	0	1	1	1	1	1	1	1	1	11
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	0	1	1	1	1	1	1	1	1	11
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	3	4	0	4	4	4	5	4	6	5	4	48
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	0	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	5	3	4	0	4	4	4	5	4	6	5	4	48
Total Copper	MG/L	Maximum	0.0006	<0.0005	0.0006	0	0.0011	0.0007	0.0007	0.0007	0.0010	0.0007	<0.0005	<0.0005	0.0011
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0003	0.0003	0.0004	0	0.0008	0.0004	0.0005	0.0004	0.0007	0.0003	0.0003	0.0003	0.0008
Un-ionized Ammonia	MG/L	# of Samples	5	3	4	0	4	4	4	5	4	6	5	4	48
Un-ionized Ammonia	MG/L	Maximum	0.0008	<0.0005	<0.0005	0	0.0005	0.0017	0.0013	0.0250	0.0070	0.0040	0.0070	0.0004	0.0250
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0004	0.0003	0.0003	0	0.0003	0.0006	0.0005	0.0088	0.0041	0.0030	0.0023	0.0003	0.0088
Total Nickel	MG/L	# of Samples	5	3	4	0	4	4	4	5	4	6	5	4	48
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	0	<0.0020	<0.0020	<0.0020	<0.0020	0.0024	<0.0020	<0.0020	<0.0020	0.0024
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0010	0.0010	0	0.0010	0.0010	0.0010	0.0010	0.0014	0.0010	0.0010	0.0010	0.0014
Total Lead	MG/L	# of Samples	5	3	4	0	4	4	4	5	4	6	5	4	48
Total Lead	MG/L	Maximum	0.0009	<0.0005	<0.0005	0	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0004	0.0003	0.0003	0	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004
pH	PH UNITS	# of Samples	5	3	4	0	4	4	4	5	4	6	5	4	48
pH	PH UNITS	Maximum	8.04	7.81	7.86	0	7.87	8.02	8.09	8.09	8.11	8.05	8.00	8.05	8.11
pH	PH UNITS	Minimum	7.72	7.76	7.77	0	7.61	7.84	7.88	7.89	7.95	7.93	7.93	7.88	7.61
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	3	4	0	4	4	4	5	4	6	4	4	47
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TSS	MG/L	# of Samples	5	3	4	0	4	4	4	5	4	6	5	4	48
TSS	MG/L	Maximum	1.2	0.7	1.8	0	9.3	4.7	1.6	2.5	5.9	2.8	3.1	2.2	9.3
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.6	0.5	0.7	0	6.6	2.2	1.3	1.8	3.7	1.7	1.8	0.9	6.6
Total Zinc	MG/L	# of Samples	5	3	4	0	4	4	4	5	4	6	5	4	48
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	<0.0050	0	<0.0050	<0.0050	0.0120	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0120
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0.0025	0	0.0025	0.0025	0.0079	0.0025	0.0025	0.0025	0.0025	0.0025	0.0079

**TABLE 40: Iron Ore Company of Canada (Labrador City) 2022 FDP-MP-06**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	1	0	0	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	1	0	0	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0010	0	0	0	0.0011	0	0	0	0.0011
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0005	0	0	0	0.0011	0	0	0	0.0011
Total Copper	MG/L	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
Total Copper	MG/L	Maximum	0	0	0	0	0.003	0	0	0	0.006	0	0	0	0.006
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.003	0	0	0	0.006	0	0	0	0.006
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	<0.0004	0	0	0	0.0006	0	0	0	0.0006
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0.0002	0	0	0	0.0006	0	0	0	0.0006
Total Nickel	MG/L	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
Total Nickel	MG/L	Maximum	0	0	0	0	0.0037	0	0	0	0.0075	0	0	0	0.0075
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.0034	0	0	0	0.0075	0	0	0	0.0075
Total Lead	MG/L	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
Total Lead	MG/L	Maximum	0	0	0	0	0.0005	0	0	0	0.0007	0	0	0	0.0007
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.0004	0	0	0	0.0007	0	0	0	0.0007
pH	PH UNITS	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
pH	PH UNITS	Maximum	0	0	0	0	7.53	0	0	0	7.95	0	0	0	7.95
pH	PH UNITS	Minimum	0	0	0	0	7.52	0	0	0	7.95	0	0	0	7.52
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
Radium-226	BQ/L	Maximum	0	0	0	0	<0.010	0	0	0	<0.010	0	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.005	0	0	0	0.005	0	0	0	0.005
TSS	MG/L	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
TSS	MG/L	Maximum	0	0	0	0	18	0	0	0	44	0	0	0	44
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	1	0	0	0	1
TSS	MG/L	Monthly Average	0	0	0	0	14	0	0	0	44	0	0	0	44
Total Zinc	MG/L	# of Samples	0	0	0	0	2	0	0	0	1	0	0	0	3
Total Zinc	MG/L	Maximum	0	0	0	0	0.0080	0	0	0	0.0130	0	0	0	0.0130
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.0076	0	0	0	0.0130	0	0	0	0.0130

**TABLE 41: Iron Ore Company of Canada (Labrador City) 2022 MD5**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	7.64	0	0	0	7.88	0	0	0	7.88
pH	PH UNITS	Minimum	0	0	0	0	7.64	0	0	0	7.88	0	0	0	7.64
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	4.3	0	0	0	22.0	0	0	0	22.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	4.3	0	0	0	22.0	0	0	0	22.0

**TABLE 42: Iron Ore Company of Canada (Labrador City) 2022 PD11**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	8.26	0	7.82	7.93	8.11	0	0	0	8.26
pH	PH UNITS	Minimum	0	0	0	0	8.26	0	7.82	7.93	8.11	0	0	0	7.82
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
TSS	MG/L	Maximum	0	0	0	0	<0.50	0	<0.50	<0.50	<0.50	0	0	0	<0.50
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0.25	0.25	0	0	0	0.25

**TABLE 43 Iron Ore Company of Canada (Labrador City) 2022 PD19**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	8.08	0	8.22	8.00	8.10	0	0	0	8.22
pH	PH UNITS	Minimum	0	0	0	0	8.08	0	8.22	8.00	8.10	0	0	0	8.00
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
TSS	MG/L	Maximum	0	0	0	0	9.60	0	<0.50	<0.50	2.50	0	0	0	9.60
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	9.60	0	0.25	0.25	2.50	0	0	0	9.60

**TABLE 44: Iron Ore Company of Canada (Labrador City) 2022 PD25**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	8.06	0	8.13	8.17	8.19	0	0	0	8.19
pH	PH UNITS	Minimum	0	0	0	0	8.06	0	8.13	8.17	8.19	0	0	0	8.06
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
TSS	MG/L	Maximum	0	0	0	0	<0.50	0	<0.50	<0.50	<0.50	0	0	0	<0.50
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0.25	0	0.25	0.25	0.25	0	0	0	0.25

**TABLE 45: Labatt Breweries Newfoundland (St. John's) 2022 Water Chemistry**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Boron	UG/L	Maximum	0	0	<50	<50	0	0	<50	0	0	0	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	25	25	0	0	25	0	0	0	0	0	25
BOD	MG/L	# of Samples	4	4	4	3	4	5	4	5	3	4	5	4	49
BOD	MG/L	Maximum	1200	1900	2300	1500	1900	4100	9100	2000	2200	2900	1600	3700	9100
BOD	MG/L	Exceedance(>300)	4	4	4	2	4	5	4	5	3	4	3	4	46
BOD	MG/L	Monthly Average	780	1378	1500	890	1625	2420	3750	1586	1563	2125	870	1675	3750
Total Cadmium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Cadmium	UG/L	Maximum	0	0	0.073	0.140	0	0	0.093	0	0	0	0	0	0.140
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.073	0.140	0	0	0.093	0	0	0	0	0	0.140
Total Chromium	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Chromium	UG/L	Maximum	0	0	11.0	9.5	0	0	20.0	0	0	0	0	0	20.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	11.0	9.5	0	0	20.0	0	0	0	0	0	20.0
Total Copper	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Copper	UG/L	Maximum	0	0	100	51	0	0	220	0	0	0	0	0	220
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	100	51	0	0	220	0	0	0	0	0	220
Total Iron	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Iron	UG/L	Maximum	0	0	820	1500	0	0	1500	0	0	0	0	0	1500
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	820	1500	0	0	1500	0	0	0	0	0	1500
Total Mercury	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Mercury	UG/L	Maximum	0	0	0.053	<0.013	0	0	0.022	0	0	0	0	0	0.053
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.053	0.0065	0	0	0.022	0	0	0	0	0	0.053

TABLE 45 CONTINUED: Labatt Breweries Newfoundland (St. John's) 2022 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Nickel	UG/L	Maximum	0	0	7.2	15.0	0	0	15.0	0	0	0	0	0	15.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	7.2	15.0	0	0	15.0	0	0	0	0	0	15.0
Orthophosphate	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Orthophosphate	MG/L	Maximum	0	0	3.1	8.8	0	0	21.0	0	0	0	0	0	21.0
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	1	0	0	1	0	0	0	0	0	2
Orthophosphate	MG/L	Monthly Average	0	0	3.1	8.8	0	0	21.0	0	0	0	0	0	21.0
Total Lead	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Lead	UG/L	Maximum	0	0	5.5	2.7	0	0	26.0	0	0	0	0	0	26.0
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	5.5	2.7	0	0	26.0	0	0	0	0	0	26.0
pH	PH UNITS	# of Samples	4	4	5	5	4	5	5	5	3	4	5	4	53
pH	PH UNITS	Maximum	6.48	6.56	6.36	6.49	6.21	11.90	4.80	11.70	6.59	6.60	7.23	7.03	11.90
pH	PH UNITS	Minimum	6.01	5.00	4.43	5.35	5.09	4.82	4.34	4.84	4.91	5.22	5.21	4.62	4.34
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	1	3	1	2	4	5	2	1	2	1	1	23
Phenolics	MG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Phenolics	MG/L	Maximum	0	0	0.0056	0.0019	0	0	0.0120	0	0	0	0	0	0.0120
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.0056	0.0019	0	0	0.0120	0	0	0	0	0	0.0120
Total Phosphates as P2O5	MG/L	# of Samples	0	0	0	0	0	3	3	3	3	4	5	4	25
Total Phosphates as P2O5	MG/L	Maximum	0	0	0	0	0	40	79	34	35	32	26	31	79
Total Phosphates as P2O5	MG/L	Exceedance(>10)	0	0	0	0	0	3	2	3	3	4	4	2	21
Total Phosphates as P2O5	MG/L	Monthly Average	0	0	0	0	0	30	43	20	29	22	14	18	43
TSS	MG/L	# of Samples	4	4	5	5	4	5	5	5	3	4	5	4	53
TSS	MG/L	Maximum	700	2000	1300	3100	1400	2800	1500	2100	570	1600	860	2100	3100
TSS	MG/L	Exceedance(>350)	1	3	4	4	3	3	1	4	2	4	2	1	32
TSS	MG/L	Monthly Average	328	1090	836	1232	925	979	510	1006	410	1205	345	718	1232
Total Zinc	UG/L	# of Samples	0	0	1	1	0	0	1	0	0	0	0	0	3
Total Zinc	UG/L	Maximum	0	0	300	410	0	0	250	0	0	0	0	0	410
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	300	410	0	0	250	0	0	0	0	0	410

**Table 46: Marine Contractors Incorporated (Stephenville) 2022 Lagoon**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Silver	UG/L	Maximum	0	0	0	0	0	<0.1	0	0	0	<0.1	0	0	<0.1
Total Silver	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	UG/L	Monthly Average	0	0	0	0	0	0.05	0	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<2	0	0	0	<2	0	0	<2
Total Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	1	0	0	1
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	119	0	0	0	261	0	0	261
Total Barium	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	UG/L	Monthly Average	0	0	0	0	0	119	0	0	0	261	0	0	261
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	7	0	0	0	10	0	0	10
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	0	0	0	7	0	0	0	10	0	0	10
BOD	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
BOD	MG/L	Maximum	0	0	0	0	0	<2.00	0	0	0	2	0	0	2
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	0	0	0	0	0	1	0	0	0	2	0	0	2
Total Cyanide	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cyanide	MG/L	Maximum	0	0	0	0	0	<0.002	0	0	0	<0.002	0	0	<0.002
Total Cyanide	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cyanide	MG/L	Monthly Average	0	0	0	0	0	0.001	0	0	0	0.001	0	0	0.001
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	<0.09	0	0	0	<0.09	0	0	<0.09
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0.045	0	0	0	0.045	0	0	0.045
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1	0	0	0	<1	0	0	<1
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	<1	0	0	0	1	0	0	1
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	1	0	0	1
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	<50	0	0	0	96	0	0	96
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	0	0	0	25	0	0	0	96	0	0	96
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	<2	0	0	0	<2	0	0	<2
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	0	1	0	0	0	1	0	0	1

Table 46 CONTINUED: Marine Contractors Incorporated (Stephenville) 2022 Lagoon

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0	0	<0.03	0	0	0	0.07	0	0	0.07
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0	0	0.015	0	0	0	0.07	0	0	0.07
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Nitrate	MG/L	Maximum	0	0	0	0	0	<0.05	0	0	0	<0.05	0	0	<0.05
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nitrate	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0.025	0	0	0.025
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	0	<0.01	0	0	0	<0.01	0	0	<0.01
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0	0	0	0.005	0	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.5	0	0	0	<0.5	0	0	<0.5
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0.25	0	0	0	0.25	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	8.07	0	0	0	0	0	0	8.07
pH	PH UNITS	Minimum	0	0	0	0	0	8.07	0	0	0	0	0	0	8.07
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Phenolics	MG/L	Maximum	0	0	0	0	0	0.001	0	0	0	0.001	0	0	0.001
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0	0	0.001	0	0	0	0.001	0	0	0.001
Total Selenium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	<1	0	0	0	<1	0	0	<1
Total Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0.5
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	55	0	0	0	89	0	0	89
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	0	0	0	0	55	0	0	0	89	0	0	89
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	<0.1	0	0	0	<0.1	0	0	<0.1
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0	0	0.05	0	0	0	0.05	0	0	0.05
TSS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
TSS	MG/L	Maximum	0	0	0	0	0	8	0	0	0	8	0	0	8
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	0	8	0	0	0	8	0	0	8
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	<5	0	0	0	<5	0	0	<5
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	2.5	0	0	0	2.5	0	0	2.5



**TABLE 47: Molson Coors Canada (St. John's) 2022 Water Chemistry**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Boron	UG/L	Maximum	0	0	<50	0	0	0	0	0	0	<50	0	0	<50
Total Boron	UG/L	Exceedance(>5000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	UG/L	Monthly Average	0	0	25	0	0	0	0	0	0	25	0	0	25
BOD	MG/L	# of Samples	4	3	4	4	3	3	2	4	5	4	4	3	43
BOD	MG/L	Maximum	120	13	14	13	1500	17	820	640	170	130	170	700	1500
BOD	MG/L	Exceedance(>300)	0	0	0	0	1	0	1	1	0	0	0	1	4
BOD	MG/L	Monthly Average	36	8	12	8	509	12	424	177	73	50	56	241	509
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0.015	0	0	0	0	0	0	<0.010	0	0	0.015
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	UG/L	Monthly Average	0	0	0.015	0	0	0	0	0	0	0.005	0	0	0.015
Total Chromium	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Chromium	UG/L	Maximum	0	0	<1.0	0	0	0	0	0	0	<1.0	0	0	<1.0
Total Chromium	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	UG/L	Monthly Average	0	0	0.5	0	0	0	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Copper	UG/L	Maximum	0	0	0.69	0	0	0	0	0	0	2.20	0	0	2.20
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0.69	0	0	0	0	0	0	2.20	0	0	2.20
Total Iron	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Iron	UG/L	Maximum	0	0	73	0	0	0	0	0	0	<50	0	0	73
Total Iron	UG/L	Exceedance(>15000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	UG/L	Monthly Average	0	0	73	0	0	0	0	0	0	25	0	0	73
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Mercury	UG/L	Maximum	0	0	<0.013	0	0	0	0	0	0	<0.013	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.0065	0	0	0	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Nickel	UG/L	Maximum	0	0	<2.0	0	0	0	0	0	0	<2.0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	1.0	0	0	0	0	0	0	1.0	0	0	1.0
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0.086	0	0	0	0	0	0	0.072	0	0	0.086
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.086	0	0	0	0	0	0	0.072	0	0	0.086
Total Lead	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Lead	UG/L	Maximum	0	0	<0.50	0	0	0	0	0	0	<0.50	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0.25	0	0	0	0	0	0	0.25	0	0	0.25

**TABLE 47 CONTINUED: Molson Coors Canada (St. John's) 2022 Water Chemistry**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	4	4	4	4	3	3	2	4	5	4	4	3	44
pH	PH UNITS	Maximum	9.70	7.42	7.69	7.30	9.54	7.00	12.30	9.50	7.26	7.39	7.31	11.30	12.30
pH	PH UNITS	Minimum	6.91	6.90	7.02	7.16	7.24	6.84	6.62	6.93	7.18	7.06	6.84	7.30	6.62
pH	PH UNITS	Exceedance(<5.5,>9.0)	1	0	0	0	1	0	1	1	0	0	0	1	5
Phenolics	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Phenolics	MG/L	Maximum	0	0	0.0011	0	0	0	0	0	0	<0.0010	0	0	0.0011
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0.0011	0	0	0	0	0	0	0.0005	0	0	0.0011
TSS	MG/L	# of Samples	4	4	4	4	3	3	2	4	5	4	4	3	44
TSS	MG/L	Maximum	18	10	11	6	100	20	120	100	98	14	35	71	120
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	7	3	6	3	71	13	68	43	42	9	10	25	71
Total Zinc	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	1	0	0	2
Total Zinc	UG/L	Maximum	0	0	53.0	0	0	0	0	0	0	<5.0	0	0	53.0
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	53.0	0	0	0	0	0	0	2.5	0	0	53.0

**TABLE 48: Newfoundland and Labrador Hydro (Holyrood) 2022 CT-OS**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Silver	MG/L	Maximum	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0	<0.000010	<0.00010
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0	0.000005	0.00005
Total Arsenic	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0.0004	<0.0010
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0	0.0004	0.0005
Total Barium	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Barium	MG/L	Maximum	0.0071	0.0140	0.0260	0.0500	0.0460	0.0086	0.0110	0.0300	0.0093	0.0270	0	0.0187	0.0500
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0.0071	0.0140	0.0260	0.0500	0.0460	0.0086	0.0110	0.0300	0.0093	0.0270	0	0.0187	0.0500
Total Boron	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Boron	MG/L	Maximum	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0	<0.010	<0.050
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0	0.005	0.025
BOD	MG/L	# of Samples	4	4	5	4	4	4	4	4	4	4	4	4	49
BOD	MG/L	Maximum	<10.0	<5.0	<10.0	<5.0	7.5	<5.0	2.7	<5.0	<10.0	3.1	<3.0	<3.0	7.5
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	3.8	2.1	3.3	1.8	3.4	2.5	2.6	2.5	3.8	2.0	1.4	1.5	3.8

**TABLE 48 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2022 CT-OS**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Cadmium	MG/L	Maximum	<0.010	<0.010	<0.010	0.018	0.016	<0.010	0.018	0.029	0.010	0.015	0	0.011	0.029
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0.005	0.005	0.005	0.018	0.016	0.005	0.018	0.029	0.010	0.015	0	0.011	0.029
Total Chromium	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Chromium	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0013	<0.0010	<0.0010	0	0.0006	0.0013
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0013	0.0005	0.0005	0	0.0006	0.0013
Total Copper	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Copper	MG/L	Maximum	0.00065	0.00170	0.00069	0.00290	0.00210	0.00130	0.00380	0.00850	0.00340	0.00290	0	0.00216	0.00850
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00065	0.00170	0.00069	0.00290	0.00210	0.00130	0.00380	0.00850	0.00340	0.00290	0	0.00216	0.00850
Total Iron	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Iron	MG/L	Maximum	<0.050	0.360	0.180	1.100	0.110	0.090	0.320	1.000	0.230	0.360	0	0.425	1.100
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.025	0.360	0.180	1.100	0.110	0.090	0.320	1.000	0.230	0.360	0	0.425	1.100
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Mercury	UG/L	Maximum	<0.010	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0	<0.0050	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.005	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0	0.0025	0.0065
Total Nickel	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	0.0006	<0.0020
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0	0.0006	0.0010
Total Ammonia	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Ammonia	MG/L	Maximum	<0.050	0.088	<0.050	<0.050	0.058	<0.050	<0.050	<0.050	<0.050	<0.050	0.010	<0.0050	0.088
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0.025	0.088	0.025	0.025	0.058	0.025	0.025	0.025	0.025	0.025	0.010	0.003	0.088
Nitrate	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Nitrate	MG/L	Maximum	0.120	0.069	0.077	0.350	0.430	0.140	0.053	0.160	<0.050	0.250	0.07	0.068	0.430
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0.120	0.069	0.077	0.350	0.430	0.140	0.053	0.160	0.025	0.250	0.07	0.068	0.430
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Orthophosphate	MG/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	0.016	0.006	0.016
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.011	0.016	0.006	0.016
Total Lead	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Lead	MG/L	Maximum	<0.00050	0.00086	<0.00050	0.00210	<0.00050	<0.00050	<0.00050	0.00170	0.00056	0.00130	0	0.00108	0.00210
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00086	0.00025	0.00210	0.00025	0.00025	0.00025	0.00170	0.00056	0.00130	0	0.00108	0.00210

TABLE 48 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2022 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	5	5	6	5	6	5	5	6	5	1	6	1	56
pH	PH UNITS	Maximum	7.66	7.68	7.40	7.60	7.33	7.74	7.19	7.78	7.07	7.53	7.38	7.62	7.78
pH	PH UNITS	Minimum	6.40	6.40	6.50	6.80	6.60	6.64	6.67	6.50	5.91	7.53	6.50	7.62	5.91
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Phenolics	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Selenium	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Selenium	MG/L	Maximum	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0	0.0001	<0.0005
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0	0.0001	0.0003
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.010	<0.010	<0.020
Sulphide	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	MG/L	Monthly Average	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.005	0.005	0.010
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	2	5	5	21
Calculated TDS	MG/L	Maximum	87	84	65	92	100	81	51	110	37	310	234	85	310
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	87	84	65	92	100	81	51	110	37	207	116	69.2	207
TDS Measured	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	3	0	0	42
TDS Measured	MG/L	Maximum	74	140	770	100	120	93	130	110	100	130	0	0	770
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	Monthly Average	50	89	230	89	99	90	89	84	71	103	0	0	230
TPH (Atlantic PIRI)	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	4	5	4	52
TPH (Atlantic PIRI)	MG/L	Maximum	6.20	1.10	0.58	0.53	0.65	0.25	0.66	5.70	1.50	0.38	0.77	<0.09	6.20
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	2.63	0.51	0.22	0.21	0.22	0.13	0.38	3.58	0.65	0.20	0.20	0.05	3.58
TSS	MG/L	# of Samples	4	5	6	5	6	4	5	6	5	0	5	0	51
TSS	MG/L	Maximum	6.0	17.6	4.8	18.0	7.7	4.3	8.2	9.8	6.6	0	2.1	0	18.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	4.8	7.5	2.5	8.7	2.1	2.0	4.3	3.8	2.7	0	1.8	0	8.7
Total Zinc	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	0	1	11
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	0.0073	0.0110	0.0190	0.0055	0.0270	0.0190	0.0067	0.0099	0	0.0277	0.0277
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0.0073	0.0110	0.0190	0.0055	0.0270	0.0190	0.0067	0.0099	0	0.0277	0.0277

**TABLE 49: Newfoundland and Labrador Hydro (Holyrood) 2022 Continuous Basin**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Silver	MG/L	Maximum	0	0	<0.00010	0	0	0	0	0	0.00028	0	0	0	0.00028
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0.00005	0	0	0	0	0	0.00028	0	0	0	0.00028
Total Arsenic	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	<0.0010	0	0	0	0	0	0.0010	0	0	0	0.0010
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0.0005	0	0	0	0	0	0.0010	0	0	0	0.0010
Total Barium	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Barium	MG/L	Maximum	0	0	0.0079	0	0	0	0	0	0.0170	0	0	0	0.0170
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0.0079	0	0	0	0	0	0.0170	0	0	0	0.0170
Total Boron	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Boron	MG/L	Maximum	0	0	0.290	0	0	0	0	0	<0.050	0	0	0	0.290
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0.290	0	0	0	0	0	0.025	0	0	0	0.290
Total Cadmium	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0.00016	0	0	0	0	0	0.00015	0	0	0	0.00016
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0.00016	0	0	0	0	0	0.00015	0	0	0	0.00016
Total Chromium	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Chromium	MG/L	Maximum	0	0	<0.0010	0	0	0	0	0	0.0043	0	0	0	0.0043
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0.0005	0	0	0	0	0	0.0043	0	0	0	0.0043
Total Copper	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0.0012	0	0	0	0	0	0.075	0	0	0	0.075
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0.0012	0	0	0	0	0	0.075	0	0	0	0.075
Total Iron	MG/L	# of Samples	4	4	6	4	5	0	0	0	2	3	5	4	37
Total Iron	MG/L	Maximum	0.17	0.11	0.12	0.14	0.08	0	0	0	1.50	<0.10	<0.10	0.12	1.50
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.06	0.05	0.06	0.07	0.05	0	0	0	0.80	0.03	0.03	0.07	0.80
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	<0.013	0	0	0	0	0	0.023	0	0	0	0.023
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0	0	0.0065	0	0	0	0	0	0.023	0	0	0	0.023
Total Nickel	MG/L	# of Samples	4	4	6	4	5	0	0	0	2	3	5	4	37
Total Nickel	MG/L	Maximum	0.0025	0.0039	0.0520	0.0440	0.0082	0	0	0	0.0130	0.0036	0.0071	<0.005	0.0520
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0014	0.0027	0.0120	0.0189	0.0027	0	0	0	0.0112	0.0024	0.0027	0.0025	0.0189

**TABLE 49 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2022 Continuous Basin**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0.14	0	0	0	0	0	0.57	0	0	0	0.57
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0.14	0	0	0	0	0	0.57	0	0	0	0.57
Nitrate	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Nitrate	MG/L	Maximum	0	0	<0.050	0	0	0	0	0	0.140	0	0	0	0.140
Nitrate	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate	MG/L	Monthly Average	0	0	0.025	0	0	0	0	0	0.140	0	0	0	0.140
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Orthophosphate	MG/L	Maximum	0	0	<0.010	0	0	0	0	0	0.053	0	0	0	0.053
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0	0	0.005	0	0	0	0	0	0.053	0	0	0	0.053
Total Lead	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Lead	MG/L	Maximum	0	0	<0.00050	0	0	0	0	0	0.00530	0	0	0	0.00530
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0.00025	0	0	0	0	0	0.00530	0	0	0	0.00530
pH	PH UNITS	# of Samples	4	4	6	4	5	0	0	0	2	0	5	0	30
pH	PH UNITS	Maximum	7.00	7.06	8.40	6.90	7.10	0	0	0	9.58	0	7.50	0	9.58
pH	PH UNITS	Minimum	6.80	6.40	6.40	6.70	6.37	0	0	0	6.89	0	6.70	0	6.37
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Selenium	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Selenium	MG/L	Maximum	0	0	<0.00050	0	0	0	0	0	<0.00050	0	0	0	<0.00050
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0.00025	0	0	0	0	0	0.00025	0	0	0	0.00025
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	2200	0	0	0	0	0	330	0	0	0	2200
Calculated TDS	MG/L	Exceedance(>1000)	0	0	1	0	0	0	0	0	0	0	0	0	1
Calculated TDS	MG/L	Monthly Average	0	0	2200	0	0	0	0	0	330	0	0	0	2200
TPH (Atlantic PIRI)	MG/L	# of Samples	4	4	5	4	5	0	0	0	1	3	5	4	35
TPH (Atlantic PIRI)	MG/L	Maximum	4.40	1.30	1.90	<0.10	3.40	0	0	0	<0.09	<0.09	<0.09	<0.09	4.40
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	2.42	0.39	0.65	0.05	0.97	0	0	0	0.05	0.05	0.05	0.05	2.42
TSS	MG/L	# of Samples	4	4	5	4	5	0	0	0	1	0	5	0	28
TSS	MG/L	Maximum	4.0	4.8	3.8	2.6	11.8	0	0	0	4.2	0	2.0	0	11.8
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2.8	2.7	2.6	1.8	4.3	0	0	0	4.2	0	1.0	0	4.3
Total Zinc	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0.017	0	0	0	0	0	0.049	0	0	0	0.049
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0.017	0	0	0	0	0	0.049	0	0	0	0.049

**TABLE 50: Newfoundland and Labrador Hydro (Holyrood) 2022 OS1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	4	5	4	52
Total Iron	MG/L	Maximum	0.22	1.10	0.58	0.60	0.60	<0.50	0.98	0.74	0.60	0.52	0.97	0.51	1.10
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.12	0.34	0.31	0.41	0.45	0.17	0.61	0.51	0.53	0.39	0.65	0.33	0.65
Total Nickel	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	4	5	4	52
Total Nickel	MG/L	Maximum	0.0057	0.0190	0.0130	0.0510	0.0200	<0.0200	0.0200	0.0140	0.0120	<0.0500	0.0042	0.0027	0.0510
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0024	0.0061	0.0051	0.0157	0.0109	0.0063	0.0120	0.0078	0.0100	0.0145	0.0026	0.0021	0.0157
pH	PH UNITS	# of Samples	4	4	5	4	5	4	4	5	4	0	5	0	44
pH	PH UNITS	Maximum	6.80	6.50	6.90	6.80	7.20	7.31	6.75	7.22	6.87	0	7.30	0	7.31
pH	PH UNITS	Minimum	6.10	6.20	6.70	6.30	6.30	6.52	6.32	6.45	6.30	0	6.40	0	6.10
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	4	5	4	52
TPH (Atlantic PIRI)	MG/L	Maximum	12.0	5.7	1.7	2.5	1.7	1.3	12.0	7.6	1.2	1.3	3.6	1.6	12.0
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	7.1	3.1	0.8	1.8	0.9	0.7	6.0	3.0	1.0	0.6	1.0	0.8	7.1
TSS	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	0	5	0	44
TSS	MG/L	Maximum	22.0	13.8	10.0	7.8	11.9	9.0	9.4	6.4	4.4	0	6.3	0	22.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	15.1	8.4	6.3	4.6	4.2	7.1	5.5	3.2	3.2	0	2.1	0	15.1

**TABLE 51: Newfoundland and Labrador Hydro (Holyrood) 2022 OS2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	4	5	4	52
Total Iron	MG/L	Maximum	0.26	0.24	0.34	0.93	0.35	0.29	0.51	0.77	0.45	0.49	0.84	0.52	0.93
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.17	0.18	0.29	0.56	0.27	0.27	0.35	0.40	0.39	0.40	0.58	0.37	0.58
Total Nickel	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	4	5	4	52
Total Nickel	MG/L	Maximum	0.0080	0.0030	0.0052	0.0043	0.0047	0.0077	0.0160	0.0140	0.0027	0.0049	0.0038	0.0035	0.0160
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0042	0.0024	0.0037	0.0039	0.0044	0.0060	0.0073	0.0060	0.0017	0.0038	0.0028	0.0030	0.0073
pH	PH UNITS	# of Samples	4	4	5	4	5	4	4	5	4	0	5	0	44
pH	PH UNITS	Maximum	6.60	6.50	7.50	6.50	6.50	6.32	6.69	7.10	7.14	0	7.10	0	7.50
pH	PH UNITS	Minimum	6.10	6.27	5.70	6.20	5.95	5.85	6.40	6.18	6.09	0	6.50	0	5.70
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 51 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2022 OS2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TPH (Atlantic PIRI)	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	4	5	4	52
TPH (Atlantic PIRI)	MG/L	Maximum	9.6	17.0	2.6	1.7	1.8	2.7	4.9	3.7	0.6	0.4	1.2	0.3	17.0
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	1	0	0	0	0	0	0	0	0	0	0	1
TPH (Atlantic PIRI)	MG/L	Monthly Average	6.2	6.9	1.3	1.0	0.8	1.2	2.8	1.9	0.5	0.3	0.4	0.2	6.9
TSS	MG/L	# of Samples	4	4	5	4	5	4	4	5	4	0	5	0	44
TSS	MG/L	Maximum	16.0	21.2	8.2	10.4	2.0	4.3	8.7	9.8	2.7	0	1.8	0	21.2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	14.8	15.5	3.5	5.1	1.3	2.0	4.4	4.2	2.1	0	1.1	0	15.5

**TABLE 52: Newfoundland and Labrador Hydro (Holyrood) 2022 WWTP**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	4	4	5	6	5	4	2	4	4	4	1	3	46
Total Iron	MG/L	Maximum	<0.50	0.90	2.40	1.50	0.55	1.10	<0.50	<0.50	<0.50	0.51	0.30	0.37	2.40
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.21	0.45	0.86	1.11	0.41	0.47	0.25	0.25	0.19	0.27	0.30	0.25	1.11
Total Mercury	UG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	<0.013	0	0	0	0	0	0	0	0	0	0	0	<0.013
Total Mercury	UG/L	Exceedance(>5.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.0065	0	0	0	0	0	0	0	0	0	0	0	0.0065
Total Nickel	MG/L	# of Samples	4	4	5	6	5	4	2	4	4	4	1	3	46
Total Nickel	MG/L	Maximum	0.099	0.110	0.210	0.130	0.061	0.110	0.048	0.190	0.085	0.071	0.047	0.106	0.210
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.088	0.079	0.099	0.106	0.034	0.073	0.044	0.134	0.055	0.050	0.047	0.084	0.134
pH	PH UNITS	# of Samples	3	4	7	6	5	5	3	4	4	0	1	0	42
pH	PH UNITS	Maximum	8.80	8.80	8.80	8.80	8.90	8.82	8.70	8.56	8.79	0	8.20	0	8.90
pH	PH UNITS	Minimum	8.60	8.28	8.50	7.70	8.30	7.90	8.27	8.26	8.64	0	8.20	0	7.70
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	3	4	7	6	5	5	3	4	4	0	1	0	42
TSS	MG/L	Maximum	5.3	4.0	15.2	14.4	11.4	15.0	5.5	5.9	9.8	0	1.0	0	15.2
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	3.2	3.0	4.7	6.4	6.0	5.1	4.5	3.3	8.7	0	1.0	0	8.7



**TABLE 53: Newfoundland Transshipment Limited 2022 Oily Water Separator**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	1	0	0	0	1	0	0	0	1	0	0	3
pH	PH UNITS	Maximum	0	6.9	0	0	0	6.9	0	0	0	6.6	0	0	6.9
pH	PH UNITS	Minimum	0	6.9	0	0	0	6.9	0	0	0	6.6	0	0	6.6
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	# of Samples	0	1	0	0	0	1	0	0	0	1	0	0	3
Calculated TDS	MG/L	Maximum	0	207	0	0	0	133	0	0	0	486	0	0	486
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	0	207	0	0	0	133	0	0	0	486	0	0	486
Total Oil and Grease	MG/L	# of Samples	0	1	0	0	0	1	0	0	0	1	0	0	3
Total Oil and Grease	MG/L	Maximum	0	6	0	0	0	6.2	0	0	0	0.9	0	0	6.2
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	0	6	0	0	0	6.2	0	0	0	0.9	0	0	6.2
TSS	MG/L	# of Samples	0	1	0	0	0	1	0	0	0	1	0	0	3
TSS	MG/L	Maximum	0	<1.6	0	0	0	<1.6	0	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0.8	0	0	0	0.8	0	0	0	0.8	0	0	0.8

**TABLE 54: Newfoundland Transshipment Limited 2022 Remote Impoundment Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	0	1	0	0	0	0	0	1	0	3
pH	PH UNITS	Maximum	6.8	0	0	0	6.7	0	0	0	0	0	6.8	0	6.8
pH	PH UNITS	Minimum	6.8	0	0	0	6.7	0	0	0	0	0	6.8	0	6.7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	0	1	0	0	0	0	0	1	0	3
Total Oil and Grease	MG/L	Maximum	4.6	0	0	0	8.6	0	0	0	0	0	7.4	0	8.6
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	4.6	0	0	0	8.6	0	0	0	0	0	7.4	0	8.6
TSS	MG/L	# of Samples	1	0	0	0	1	0	0	0	0	0	1	0	3
TSS	MG/L	Maximum	<1.6	0	0	0	<1.6	0	0	0	0	0	2.4	0	2.4
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0	0.8	0	0	0	0	0	2.4	0	2.4

**TABLE 55: Newfoundland Transshipment Limited 2022 Tank No. 1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.8	0	0	8	0	0	8	0	0	7.7	0	0	8
pH	PH UNITS	Minimum	7.8	0	0	8	0	0	8	0	0	7.7	0	0	7.7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	6.3	0	0	3.8	0	0	8.4	0	0	1.9	0	0	8.4
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	6.3	0	0	3.8	0	0	8.4	0	0	1.9	0	0	8.4
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 56: Newfoundland Transshipment Limited 2022 Tank No. 2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	8	0	0	8.2	0	0	8.2	0	0	7.8	0	0	8.2
pH	PH UNITS	Minimum	8	0	0	8.2	0	0	8.2	0	0	7.8	0	0	7.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	3.4	0	0	6.8	0	0	8.1	0	0	2.1	0	0	8.1
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	3.4	0	0	6.8	0	0	8.1	0	0	2.1	0	0	8.1
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 57: Newfoundland Transshipment Limited 2022 Tank No. 3**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	1	5
pH	PH UNITS	Maximum	7.9	0	0	8	0	0	8.1	0	0	7.5	0	7.7	8.1
pH	PH UNITS	Minimum	7.9	0	0	8	0	0	8.1	0	0	7.5	0	7.7	7.5
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	1	5
Total Oil and Grease	MG/L	Maximum	5.2	0	0	7.3	0	0	6	0	0	2.2	0	8.8	8.8
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	5.2	0	0	7.3	0	0	6	0	0	2.2	0	8.8	8.8
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	1	5
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	<1.6	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0.8	0.8

**TABLE 58: Newfoundland Transshipment Limited 2022 Tank No. 4**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	6.8	0	0	7.3	0	0	7.7	0	0	7	0	0	7.7
pH	PH UNITS	Minimum	6.8	0	0	7.3	0	0	7.7	0	0	7	0	0	6.8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	5.7	0	0	6.3	0	0	4.2	0	0	3.2	0	0	6.3
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	5.7	0	0	6.3	0	0	4.2	0	0	3.2	0	0	6.3
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 59: Newfoundland Transshipment Limited 2022 Tank No. 5**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	6.7	0	0	7.8	0	0	7.2	0	0	7	0	0	7.8
pH	PH UNITS	Minimum	6.7	0	0	7.8	0	0	7.2	0	0	7	0	0	6.7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	6.6	0	0	5.5	0	0	6.4	0	0	1.9	0	0	6.6
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	6.6	0	0	5.5	0	0	6.4	0	0	1.9	0	0	6.6
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 60: Newfoundland Transshipment Limited 2022 Tank No. 6**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.1	0	0	7.5	0	0	7.4	0	0	7	0	0	7.5
pH	PH UNITS	Minimum	7.1	0	0	7.5	0	0	7.4	0	0	7	0	0	7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	7.5	0	0	4.6	0	0	5.2	0	0	2.1	0	0	7.5
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	7.5	0	0	4.6	0	0	5.2	0	0	2.1	0	0	7.5
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 61: Newfoundland Transshipment Limited 2022 Tank No. 7**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
pH	PH UNITS	Maximum	7.9	0	0	8.1	0	0	8	0	0	7.6	0	0	8.1
pH	PH UNITS	Minimum	7.9	0	0	8.1	0	0	8	0	0	7.6	0	0	7.6
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Oil and Grease	MG/L	Maximum	3.9	0	0	4.1	0	0	4.2	0	0	1.2	0	0	4.2
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	3.9	0	0	4.1	0	0	4.2	0	0	1.2	0	0	4.2
TSS	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
TSS	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

**TABLE 62: Pardy's Waste Management (Incinerator Road) 2022 Waste Water Treatment Plant**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Silver	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Silver	MG/L	Maximum	0	0	0	<0.00010	0	<0.00010	0	0	0	0	0	0	<0.00010
Total Silver	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Silver	MG/L	Monthly Average	0	0	0	0.00005	0	0.00005	0	0	0	0	0	0	0.00005
Total Arsenic	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010	0	0	0	0	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005	0	0	0	0	0	0	0.0005
Total Barium	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Barium	MG/L	Maximum	0	0	0	0.024	0	0.064	0	0	0	0	0	0	0.064
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Barium	MG/L	Monthly Average	0	0	0	0.024	0	0.064	0	0	0	0	0	0	0.064
Total Boron	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Boron	MG/L	Maximum	0	0	0	0.17	0	0.078	0	0	0	0	0	0	0.17
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	0	0	0	0.17	0	0.078	0	0	0	0	0	0	0.17
BOD	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
BOD	MG/L	Maximum	0	0	0	2.8	0	9.2	0	0	0	0	0	0	9.2
BOD	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	0	0	0	2.8	0	9.2	0	0	0	0	0	0	9.2
Total Cadmium	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0.00012	0	0.000019	0	0	0	0	0	0	0.00012
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0	0	0	0.00012	0	0.000019	0	0	0	0	0	0	0.00012
Total Chromium	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Chromium	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010	0	0	0	0	0	0	<0.0010
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005	0	0	0	0	0	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0.053	0	0.015	0	0	0	0	0	0	0.053
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0.053	0	0.015	0	0	0	0	0	0	0.053
Total Iron	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Iron	MG/L	Maximum	0	0	0	0.13	0	0.25	0	0	0	0	0	0	0.25
Total Iron	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0	0	0	0.13	0	0.25	0	0	0	0	0	0	0.25
Total Mercury	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Mercury	MG/L	Maximum	0	0	0	<0.000013	0	<0.000013	0	0	0	0	0	0	<0.000013
Total Mercury	MG/L	Exceedance(>0.005)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	MG/L	Monthly Average	0	0	0	0.0000065	0	0.0000065	0	0	0	0	0	0	0.0000065
Total Nickel	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	0.041	0	0.032	0	0	0	0	0	0	0.041
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0.041	0	0.032	0	0	0	0	0	0	0.041

TABLE 62 CONTINUED: Pardy's Waste Management (Incinerator Road) 2022 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Ammonia	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Ammonia	MG/L	Maximum	0	0	0	0.18	0	0.12	0	0	0	0	0	0	0.18
Total Ammonia	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ammonia	MG/L	Monthly Average	0	0	0	0.18	0	0.12	0	0	0	0	0	0	0.18
Nitrate	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Nitrate	MG/L	Maximum	0	0	0	56	0	2.5	0	0	0	0	0	0	56
Nitrate	MG/L	Exceedance(>10)	0	0	0	1	0	0	0	0	0	0	0	0	1
Nitrate	MG/L	Monthly Average	0	0	0	56	0	2.5	0	0	0	0	0	0	56
Total Lead	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Lead	MG/L	Maximum	0	0	0	<0.00050	0	<0.00050	0	0	0	0	0	0	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.00025	0	0.00025	0	0	0	0	0	0	0.00025
pH	PH UNITS	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	6.83	0	7.67	0	0	0	0	0	0	7.67
pH	PH UNITS	Minimum	0	0	0	6.83	0	7.67	0	0	0	0	0	0	6.83
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Phenolics	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010	0	0	0	0	0	0	<0.0010
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005	0	0	0	0	0	0	0.0005
Total Phosphates as P2O5	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Phosphates as P2O5	MG/L	Maximum	0	0	0	0.71	0	1	0	0	0	0	0	0	1
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	0	0	0	0.71	0	1	0	0	0	0	0	0	1
Total Selenium	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Selenium	MG/L	Maximum	0	0	0	<0.00050	0	<0.00050	0	0	0	0	0	0	<0.00050
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	MG/L	Monthly Average	0	0	0	0.00025	0	0.00025	0	0	0	0	0	0	0.00025
TDS Measured	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
TDS Measured	MG/L	Maximum	0	0	0	1200	0	1100	0	0	0	0	0	0	1200
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	1	0	1	0	0	0	0	0	0	2
TDS Measured	MG/L	Monthly Average	0	0	0	1200	0	1100	0	0	0	0	0	0	1200
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.090	0	<0.090	0	0	0	0	0	0	<0.090
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0	0	0	0.045	0	0.045	0	0	0	0	0	0	0.045
TSS	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	3.8	0	18	0	0	0	0	0	0	18
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	3.8	0	18	0	0	0	0	0	0	18
Total Zinc	MG/L	# of Samples	0	0	0	1	0	1	0	0	0	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	0.14	0	0.038	0	0	0	0	0	0	0.14
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0.14	0	0.038	0	0	0	0	0	0	0.14

**TABLE 63: Pardy's Waste Management (Donovan's Industrial Park) 2022 Treated Wastewater**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Boron	MG/L	Maximum	1.10	1.10	0.72	0	0.70	0.39	0	0.36	0.15	0	0	1.40	1.40
Total Boron	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Boron	MG/L	Monthly Average	1.10	1.10	0.70	0	0.70	0.39	0	0.26	0.15	0	0	1.40	1.40
BOD	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
BOD	MG/L	Maximum	16.0	13.0	13.0	0	<2.0	<5.0	0	<5.0	<2.0	0	0	<17.0	16.0
BOD	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	MG/L	Monthly Average	9.9	13.0	9.5	0	1.0	2.5	0	2.5	1.0	0	0	8.5	13.0
Cyanide	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Cyanide	MG/L	Maximum	<0.0050	<0.0050	<0.0050	0	<0.0050	<0.0050	0	<0.0050	<0.0050	0	0	<0.0050	<0.0050
Cyanide	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0.0025	0.0025	0.0025	0	0.0025	0.0025	0	0.0025	0.0025	0	0	0.0025	0.0025
Total Cadmium	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Cadmium	MG/L	Maximum	<0.000010	<0.000010	<0.000010	0	<0.000010	<0.000010	0	0.000017	0.000013	0	0	<0.000010	0.000017
Total Cadmium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cadmium	MG/L	Monthly Average	0.000005	0.000005	0.000005	0	0.000005	0.000005	0	0.000015	0.000013	0	0	0.000005	0.000015
Total Chromium	MG/L	# of Samples	2	1	3	0	1	0	0	0	0	0	0	0	7
Total Chromium	MG/L	Maximum	0.0011	0.0010	<0.0010	0	<0.0010	0	0	0	0	0	0	0	0.0011
Total Chromium	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chromium	MG/L	Monthly Average	0.0011	0.0010	0.0005	0	0.0005	0	0	0	0	0	0	0	0.0011
Total Hexavalent Chromium	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Hexavalent Chromium	MG/L	Maximum	0.00280	<0.00099	<0.00099	0	<0.00099	<0.00099	0	<0.00099	<0.00099	0	0	<0.00099	0.00280
Total Hexavalent Chromium	MG/L	Exceedance(>0.05)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	MG/L	Monthly Average	0.00165	0.00050	0.00050	0	0.00050	0.00050	0	0.00050	0.00050	0	0	0.00050	0.00165
Total Copper	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Copper	MG/L	Maximum	0.074	0.036	0.055	0	0.031	0.095	0	0.160	0.074	0	0	0.015	0.160
Total Copper	MG/L	Exceedance(>0.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.061	0.036	0.049	0	0.031	0.082	0	0.095	0.074	0	0	0.015	0.095
Total Iron	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Iron	MG/L	Maximum	<0.050	<0.050	<0.050	0	<0.050	<0.050	0	<0.050	<0.050	0	0	<0.050	<0.050
Total Iron	MG/L	Exceedance(>15)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Iron	MG/L	Monthly Average	0.025	0.025	0.025	0	0.025	0.025	0	0.025	0.025	0	0	0.025	0.025
Total Mercury	UG/L	# of Samples	2	1	3	0	1	2	0	3	1	0	0	1	14
Total Mercury	UG/L	Maximum	<0.010	<0.013	<0.013	0	<0.013	<0.013	0	<0.013	<0.013	0	0	<0.013	<0.013
Total Mercury	UG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mercury	UG/L	Monthly Average	0.005	0.0065	0.0055	0	0.0065	0.0065	0	0.0065	0.0065	0	0	0.0065	0.0065
Total Nickel	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Nickel	MG/L	Maximum	0.020	0.020	0.013	0	0.012	0.008	0	0.008	0.007	0	0	0.024	0.024
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.020	0.020	0.013	0	0.012	0.007	0	0.007	0.007	0	0	0.024	0.024



TABLE 63 CONTINUED: Pardy's Waste Management (Donovan's Industrial Park) 2022 Treated Wastewater

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Lead	MG/L	Maximum	0.00080	<0.00050	0.00061	0	<0.00050	0.00110	0	<0.00050	<0.00050	0	0	<0.00050	0.00110
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00053	0.00025	0.00037	0	0.00025	0.00082	0	0.00025	0.00025	0	0	0.00025	0.00082
pH	PH UNITS	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
pH	PH UNITS	Maximum	7.79	7.49	8.00	0	7.90	7.87	0	7.74	7.53	0	0	7.37	8.00
pH	PH UNITS	Minimum	7.38	7.49	7.51	0	7.90	7.73	0	7.52	7.53	0	0	7.37	7.37
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Phenolics	MG/L	Maximum	0.0041	<0.0010	0.0012	0	<0.0010	<0.0010	0	<0.0010	<0.0010	0	0	0.0014	0.0041
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0030	0.0005	0.0009	0	0.0005	0.0005	0	0.0005	0.0005	0	0	0.0014	0.0030
Total Phosphates as P2O5	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Phosphates as P2O5	MG/L	Maximum	2.60	2.40	1.60	0	1.90	1.10	0	1.10	0.54	0	0	3.10	3.10
Total Phosphates as P2O5	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phosphates as P2O5	MG/L	Monthly Average	2.50	2.40	1.60	0	1.90	1.01	0	0.80	0.54	0	0	3.10	3.10
TPH (Atlantic PIRI)	MG/L	# of Samples	2	1	3	0	1	1	0	3	1	0	0	1	13
TPH (Atlantic PIRI)	MG/L	Maximum	0.480	<0.090	0.095	0	0.17	<0.090	0	0.140	<0.099	0	0	0.260	0.480
TPH (Atlantic PIRI)	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.395	0.045	0.064	0	0.170	0.045	0.000	0.098	0.050	0	0	0.260	0.395
TSS	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
TSS	MG/L	Maximum	3.8	3.2	2.6	0	<1.0	<1.0	0	1.0	<1.0	0	0	1.2	3.8
TSS	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	3.0	3.2	2.1	0	0.5	0.5	0	0.7	0.5	0	0	1.2	3.2
Total Zinc	MG/L	# of Samples	2	1	3	0	1	3	0	3	1	0	0	1	15
Total Zinc	MG/L	Maximum	0.011	0.013	0.015	0	0.009	0.009	0	0.025	0.021	0	0	0.026	0.026
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.009	0.013	0.015	0	0.009	0.009	0	0.016	0.021	0	0	0.026	0.026

**TABLE 64: Rambler Metals and Mining 2022 No. 2 Polishing Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	0	1	0	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	0	1	0	1	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	0	1	0	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	0	1	0	1	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	3	4	4	5	5	3	4	3	2	0	3	3	39
Total Arsenic	MG/L	Maximum	0.00049	0.00050	0.00090	0.00160	0.00150	0.00090	0.00100	0.00120	<0.00250	0	0.00080	0.00070	0.00160
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00048	0.00050	0.00070	0.00110	0.00134	0.00077	0.00065	0.00063	0.00113	0	0.00080	0.00063	0.00134
Cyanide	MG/L	# of Samples	3	4	4	5	5	3	4	3	2	0	3	3	39
Cyanide	MG/L	Maximum	<0.002	<0.002	<0.002	0.010	<0.002	<0.002	<0.002	<0.002	0.003	0	<0.002	<0.002	0.010
Cyanide	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001	0.003	0	0.001	0.001	0.004
Total Copper	MG/L	# of Samples	3	4	4	5	5	3	4	3	2	0	3	3	39
Total Copper	MG/L	Maximum	0.0088	0.0380	0.0540	0.0712	0.0446	0.0434	0.1260	0.0191	0.0183	0	0.0206	0.0165	0.1260
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0058	0.0378	0.0485	0.0485	0.0423	0.0382	0.0503	0.0073	0.0168	0	0.0183	0.0153	0.0503
Total Nickel	MG/L	# of Samples	3	4	4	5	5	3	4	3	2	0	3	3	39
Total Nickel	MG/L	Maximum	0.00086	0.00160	0.00260	0.00440	0.05320	0.00230	0.00140	0.00130	<0.0125	0	0.00140	0.00130	0.05320
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.00057	0.00150	0.00200	0.00248	0.01194	0.00190	0.00103	0.00047	0.00363	0	0.00137	0.00110	0.01194
Total Lead	MG/L	# of Samples	3	4	4	5	5	3	4	3	2	0	3	3	39
Total Lead	MG/L	Maximum	0.00014	0.00330	0.00540	0.00388	0.00415	0.00305	0.00150	0.00095	0.00057	0	0.00030	0.00056	0.00540
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00008	0.00283	0.00458	0.00297	0.00304	0.00263	0.00075	0.00050	0.00041	0	0.00012	0.00052	0.00458
pH	PH UNITS	# of Samples	3	4	4	5	5	7	4	3	2	0	3	3	43
pH	PH UNITS	Maximum	8.10	7.49	7.05	7.20	7.28	7.54	7.68	8.14	7.20	0	6.71	7.26	8.14
pH	PH UNITS	Minimum	6.63	6.40	6.30	6.73	7.00	7.00	6.04	7.11	7.00	0	6.40	6.87	6.04
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	3	4	4	5	5	3	4	3	2	0	3	3	39
Radium-226	BQ/L	Maximum	0.015	0.009	<0.005	0.015	0.016	<0.005	<0.050	0.011	<0.010	0	<0.005	<0.005	<0.050
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.007	0.004	0.003	0.005	0.005	0.003	0.008	0.005	0.004	0	0.003	0.003	0.008
TSS	MG/L	# of Samples	3	4	4	5	5	3	4	3	2	0	3	3	39
TSS	MG/L	Maximum	<1.0	<1.0	3.0	2.5	3.0	2.5	2.0	<3.0	<3.0	0	<1.0	<1.0	3.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	0.5	1.1	1.3	1.3	1.5	1.1	1.0	1.3	0	0.5	0.5	1.5
Total Zinc	MG/L	# of Samples	3	4	4	5	5	3	4	3	2	0	3	3	39
Total Zinc	MG/L	Maximum	0.014	0.070	0.093	0.263	0.067	0.064	0.044	0.029	0.034	0	0.035	0.027	0.263
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.01	0.07	0.08	0.11	0.07	0.06	0.03	0.01	0.03	0	0.032	0.027	0.109

**TABLE 65: Rambler Metals and Mining 2022 Treated Mine Effluent**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	2	3	2	1	1	1	1	3	1	1	1	2	19
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	2	3	2	1	1	1	1	3	1	1	1	2	19
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	2	3	2	1	1	1	1	3	1	1	1	2	19
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	2	3	2	1	1	1	1	3	1	1	1	2	19
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	4	5	5	3	4	4	5	4	5	3	50
Total Arsenic	MG/L	Maximum	0.0022	0.0022	0.0018	0.0090	0.0036	0.0020	0.0020	0.0036	0.0039	0.0011	0.0017	0.0007	0.0090
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0019	0.0021	0.0015	0.0035	0.0021	0.0013	0.0014	0.0016	0.0019	0.0010	0.0013	0.0006	0.0035
Cyanide	MG/L	# of Samples	4	4	4	5	5	3	4	4	5	4	5	3	50
Cyanide	MG/L	Maximum	<0.0020	0.0030	0.0028	<0.0100	<0.0020	<0.0200	<0.0020	<0.0020	<0.0100	<0.0020	<0.0020	<0.0020	<0.0200
Cyanide	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0.0010	0.0020	0.0015	0.0026	0.0010	0.0040	0.0010	0.0010	0.0023	0.0010	0.0010	0.0010	0.0040
Total Copper	MG/L	# of Samples	4	4	4	5	5	3	4	4	5	4	5	3	50
Total Copper	MG/L	Maximum	0.0760	0.0940	0.1700	0.0947	0.1200	0.1020	0.0345	0.1400	0.1320	0.0134	0.0497	0.0448	0.1700
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0520	0.0695	0.1425	0.0852	0.1077	0.0527	0.0297	0.0475	0.0802	0.0123	0.0347	0.0251	0.1425
Un-ionized Ammonia	MG/L	# of Samples	1	0	0	0	0	0	0	0	0	0	0	0	1
Un-ionized Ammonia	MG/L	Maximum	0.01	0	0	0	0	0	0	0	0	0	0	0	0.01
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.01	0	0	0	0	0	0	0	0	0	0	0	0.01
Total Nickel	MG/L	# of Samples	4	4	4	5	5	3	4	4	5	4	5	3	50
Total Nickel	MG/L	Maximum	0.0013	0.0061	0.0081	0.0076	0.0076	0.0015	0.0091	0.0022	<0.0125	0.0012	0.0017	0.0011	0.0091
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0011	0.0040	0.0044	0.0058	0.0039	0.0011	0.0032	0.0012	0.0022	0.0011	0.0015	0.0010	0.0058
Total Lead	UG/L	# of Samples	4	4	4	5	5	3	4	4	5	4	5	3	50
Total Lead	UG/L	Maximum	0.032	0.210	0.290	0.200	0.190	0.120	<3.00	0.950	0.250	0.320	0.300	0.980	<3.00
Total Lead	UG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.023	0.136	0.170	0.162	0.152	0.085	0.430	0.326	0.200	0.285	0.168	0.505	0.505
pH	PH UNITS	# of Samples	4	4	4	5	5	7	4	4	5	4	5	3	54
pH	PH UNITS	Maximum	7.58	7.39	6.72	7.16	6.86	7.63	6.98	7.28	7.45	6.98	6.95	7.39	7.63
pH	PH UNITS	Minimum	7.41	6.17	6.48	6.58	6.65	6.50	6.02	6.55	6.53	6.66	6.69	6.78	6.02
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	4	5	5	3	4	4	5	4	5	3	50
Radium-226	BQ/L	Maximum	0.066	0.032	0.033	0.028	0.019	0.015	0.026	0.018	0.029	<0.005	0.007	0.007	0.066
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.041	0.028	0.023	0.013	0.013	0.011	0.015	0.008	0.013	0.003	0.004	0.004	0.041
TSS	MG/L	# of Samples	4	4	4	5	5	3	4	4	5	4	5	3	50
TSS	MG/L	Maximum	<1.0	10.0	2.0	2.5	6.0	<3.0	3.0	5.0	6.0	<3.0	1.0	<1.0	10.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	5.3	1.0	1.2	2.0	0.8	1.8	2.0	2.4	0.8	0.6	0.5	5.3
Total Zinc	MG/L	# of Samples	4	4	4	5	5	3	4	4	5	4	5	3	50
Total Zinc	MG/L	Maximum	0.230	0.340	0.390	0.280	0.241	0.136	0.193	0.280	0.298	0.022	0.125	0.072	0.390
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.193	0.295	0.343	0.276	0.161	0.081	0.178	0.122	0.157	0.021	0.082	0.041	0.343

**TABLE 66: Signal Gold 2022 Polishing Pond Discharge (FDP)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	1	0	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	1	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0.0031	0	0	0	0	0	0	0	0	0.0031
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0.0031	0	0	0	0	0	0	0	0	0.0031
Cyanide	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Cyanide	MG/L	Maximum	0	0	0	0.014	0	0	0	0	0	0	0	0	0.014
Cyanide	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0	0	0	0.014	0	0	0	0	0	0	0	0	0.014
Total Copper	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0.0274	0	0	0	0	0	0	0	0	0.0274
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0.0274	0	0	0	0	0	0	0	0	0.0274
Total Nickel	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0.0014	0	0	0	0	0	0	0	0	0.0014
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0.0014	0	0	0	0	0	0	0	0	0.0014
Total Lead	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	<0.00009	0	0	0	0	0	0	0	0	<0.00009
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.000045	0	0	0	0	0	0	0	0	0.000045
pH	PH UNITS	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	7.37	0	0	0	0	0	0	0	0	7.37
pH	PH UNITS	Minimum	0	0	0	7.37	0	0	0	0	0	0	0	0	7.37
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	0	0	<0.005	0	0	0	0	0	0	0	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0.0025	0	0	0	0	0	0	0	0	0.0025
TSS	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	1.5	0	0	0	0	0	0	0	0	1.5
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	1.5	0	0	0	0	0	0	0	0	1.5
Total Zinc	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0.004	0	0	0	0	0	0	0	0	0.004
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0.004	0	0	0	0	0	0	0	0	0.004

**TABLE 67: Signal Gold 2022 Argyle (FDP)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	2	1	1	2	1	1	1	0	1	11
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	2	1	1	2	1	1	1	0	1	10
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	1	0	0	0	0	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	2	1	1	2	1	1	1	0	1	11
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	2	1	1	2	1	1	1	0	1	10
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Arsenic	MG/L	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
Total Arsenic	MG/L	Maximum	0.0029	0	0	0.0031	0.0042	0.0033	0.0059	0.0054	0.0048	0.0038	0	0.0033	0.0059
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0029	0	0	0.0029	0.0042	0.0033	0.0053	0.0054	0.0048	0.0038	0	0.0033	0.0054
Cyanide	MG/L	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
Cyanide	MG/L	Maximum	0.407	0	0	0.061	0.040	0.083	0.039	0.014	0.003	0.003	0	0.061	0.407
Cyanide	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide	MG/L	Monthly Average	0.407	0	0	0.038	0.026	0.083	0.021	0.014	0.003	0.003	0	0.061	0.407
Total Copper	MG/L	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
Total Copper	MG/L	Maximum	0.047	0	0	0.034	0.011	0.012	0.006	0.005	0.002	0.003	0	0.007	0.047
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.047	0	0	0.024	0.009	0.012	0.004	0.005	0.002	0.003	0	0.007	0.047
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	2	1	2	1	0	0	0	0	6
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	0.09	0.01	0.03	0.11	0	0	0	0	0.11
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0.055	0.01	0.015	0.11	0	0	0	0	0.11
Total Nickel	MG/L	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
Total Nickel	MG/L	Maximum	0.0011	0	0	0.0014	0.0012	0.0009	0.0013	0.0007	0.0005	0.0010	0	0.0011	0.0014
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0011	0	0	0.0011	0.0009	0.0009	0.0010	0.0007	0.0005	0.0010	0	0.0011	0.0011
Total Lead	MG/L	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
Total Lead	MG/L	Maximum	0.00006	0	0	0.00025	0.00019	<0.00009	0.00017	<0.00009	0.00025	<0.00003	0	<0.00009	0.00025
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00006	0	0	0.00011	0.00012	0.00005	0.00011	0.00005	0.00025	0.00002	0	0.00005	0.00025
pH	PH UNITS	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
pH	PH UNITS	Maximum	7.55	0	0	8.14	7.73	7.81	7.53	7.61	7.83	7.51	0	7.50	8.14
pH	PH UNITS	Minimum	7.55	0	0	7.49	7.44	7.81	7.29	7.61	7.83	7.51	0	7.50	7.29
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
Radium-226	BQ/L	Maximum	<0.0050	0	0	<0.0050	<0.0050	0.0220	<0.0050	<0.0050	<0.0050	<0.0050	0	<0.0050	0.0220
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0	0	0.0025	0.0025	0.0220	0.0025	0.0025	0.0025	0.0025	0	0.0025	0.022
TSS	MG/L	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
TSS	MG/L	Maximum	<1.0	0	0	3.5	25.0	2.0	5.5	<1.0	<1.0	<1.0	0	1.0	25.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.5	0	0	2.0	15.0	2.0	4.5	0.5	0.5	0.5	0	1.0	15.0
Total Zinc	MG/L	# of Samples	1	0	0	3	2	1	2	1	1	1	0	1	13
Total Zinc	MG/L	Maximum	<0.0023	0	0	0.0140	0.0040	0.0020	0.0718	0.0050	<0.0020	0.0030	0	0.0020	0.0718
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0012	0	0	0.0080	0.0025	0.0020	0.0369	0.0050	0.0010	0.0030	0	0.0020	0.0369

**TABLE 68: Tacora Resources (Wabush) 2022 East Pit 2 Dewatering (Sylvio Settling Basin)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	0	<0.0010	0	<0.0010	<0.0010	<0.0010	0	<0.0010	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0	0.0005	0	0.0005	0.0005	0.0005	0	0.0005	0	0	0.0005
Total Copper	UG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Copper	UG/L	Maximum	<0.50	<0.50	0	<0.50	0	<0.50	0.59	<0.50	0	<0.50	0	0	0.59
Total Copper	UG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0.25	0.25	0	0.25	0	0.25	0.42	0.25	0	0.25	0	0	0.42
Un-ionized Ammonia	UG/L	# of Samples	5	4	4	4	5	4	4	6	4	5	5	4	54
Un-ionized Ammonia	UG/L	Maximum	<0.50	<0.50	<0.40	<0.40	<0.40	0.50	<0.40	0.78	<0.40	3.20	0.51	<0.40	3.20
Un-ionized Ammonia	UG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	UG/L	Monthly Average	0.25	0.25	0.20	0.20	0.20	0.28	0.20	0.31	0.20	1.05	0.26	0.20	1.05
Total Nickel	MG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Nickel	MG/L	Maximum	<0.002	<0.0020	0	<0.002	0	<0.002	<0.002	<0.002	0	<0.002	0	0	<0.002
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0	0	0.001
Total Lead	UG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Lead	UG/L	Maximum	<0.50	<0.50	0	<0.50	0	<0.50	<0.50	<0.50	0	<0.50	0	0	<0.50
Total Lead	UG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0	0.25	0	0.25	0.25	0.25	0	0.25	0	0	0.25
pH	PH UNITS	# of Samples	5	4	4	4	5	4	4	6	4	5	5	4	54
pH	PH UNITS	Maximum	7.53	7.32	7.42	7.36	7.43	7.64	7.55	7.72	7.59	7.68	7.56	7.46	7.72
pH	PH UNITS	Minimum	7.22	7.21	7.25	7.16	7.30	7.47	7.35	7.31	7.45	7.43	7.34	7.36	7.16
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Radium-226	BQ/L	Maximum	<0.010	<0.010	0	<0.010	0	<0.010	<0.010	<0.010	0	<0.010	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0	0.005	0	0.005	0.005	0.005	0	0.005	0	0	0.005
TSS	MG/L	# of Samples	5	4	4	4	5	4	4	5	4	5	5	4	53
TSS	MG/L	Maximum	1.6	1.0	<1.0	5.6	4.3	1.8	5.2	3.8	2.2	1.8	6.7	1.1	6.7
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.9	0.6	0.5	2.8	2.5	1.3	2.3	2.1	1.1	1.0	2.0	0.7	2.8
Total Zinc	MG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	0	<0.0050	0	0.0050	0.0067	0.0075	0	0.0054	0	0	0.0075
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0	0.0025	0	0.0050	0.0046	0.0075	0	0.0040	0	0	0.0075

**TABLE 69: Tacora Resources (Wabush) 2022 Flora Lake Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	3	0	2	0	1	2	1	0	2	0	0	16
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	0	<0.0010	0	<0.0010	<0.0010	<0.0010	0	<0.0010	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0	0.0005	0	0.0005	0.0005	0.0005	0	0.0005	0	0	0.0005
Total Copper	UG/L	# of Samples	5	3	0	2	0	1	2	1	0	2	0	0	16
Total Copper	UG/L	Maximum	<0.50	<0.50	0	<0.50	0	<0.50	<0.50	<0.50	0	0.54	0	0	0.54
Total Copper	UG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0.25	0.25	0	0.25	0	0.25	0.25	0.25	0	0.40	0	0	0.40
Un-ionized Ammonia	UG/L	# of Samples	5	4	4	4	5	4	4	5	4	5	5	4	53
Un-ionized Ammonia	UG/L	Maximum	<0.50	<0.50	<0.40	<0.40	<0.40	<0.73	<0.51	1.80	<0.56	1.10	1.10	<0.40	1.80
Un-ionized Ammonia	UG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	UG/L	Monthly Average	0.25	0.25	0.20	0.20	0.20	0.25	0.21	0.75	0.22	0.43	0.38	0.20	0.75
Total Nickel	MG/L	# of Samples	5	3	0	2	0	1	2	1	0	2	0	0	16
Total Nickel	MG/L	Maximum	<0.002	<0.002	0	<0.002	0	<0.002	<0.002	<0.002	0	<0.002	0	0	<0.002
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0	0	0.001
Total Lead	UG/L	# of Samples	5	3	0	2	0	1	2	1	0	2	0	0	16
Total Lead	UG/L	Maximum	<0.50	<0.50	0	<0.50	0	<0.50	<0.50	<0.50	0	<0.50	0	0	<0.50
Total Lead	UG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0	0.25	0	0.25	0.25	0.25	0	0.25	0	0	0.25
pH	PH UNITS	# of Samples	5	4	4	4	5	4	4	5	4	5	5	4	53
pH	PH UNITS	Maximum	7.67	7.56	7.58	7.66	7.68	7.69	7.70	7.68	7.72	7.71	7.74	7.71	7.74
pH	PH UNITS	Minimum	7.52	7.46	7.52	7.40	7.48	7.56	7.57	7.56	7.59	7.62	7.20	7.54	7.20
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	3	0	2	0	1	2	1	0	2	0	0	16
Radium-226	BQ/L	Maximum	<0.010	<0.010	0	<0.010	0	<0.010	<0.010	<0.010	0	<0.010	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0	0.005	0	0.005	0.005	0.005	0	0.005	0	0	0.005
TSS	MG/L	# of Samples	5	4	4	4	5	4	4	5	4	5	5	4	53
TSS	MG/L	Maximum	2.2	1.8	3.6	2.6	21.0	10.0	3.9	9.8	20.0	14.0	17.0	3.7	21.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.5	1.1	2.1	2.2	6.6	7.6	2.3	4.2	7.9	6.8	7.4	2.5	7.9
Total Zinc	MG/L	# of Samples	5	3	0	2	0	1	2	1	0	2	0	0	16
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	0	<0.0050	0	<0.0050	0.0071	<0.0050	0	<0.0050	0	0	0.0071
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0	0.0025	0	0.0025	0.0048	0.0025	0	0.0025	0	0	0.0048

**TABLE 70: Tacora Resources (Wabush) 2022 Knoll Lake Discharge (Settling Basin)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	0	0	2	1	0	0	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	0	0	2	1	0	0	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	0	0	2	1	0	0	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	0	0	2	1	0	0	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	4	4	4	4	0	0	2	1	0	0	1	25
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0	0	<0.0100	0.0017	0	0	<0.0010	<0.0100
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0	0	0.0028	0.0017	0	0	0.0005	0.0028
Total Copper	UG/L	# of Samples	5	4	4	4	4	0	0	2	1	0	0	1	25
Total Copper	UG/L	Maximum	0.88	<0.50	1.80	0.52	1.10	0	0	10.00	4.70	0	0	0.82	10.00
Total Copper	UG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0.38	0.25	0.64	0.32	0.57	0	0	9.50	4.70	0	0	0.82	9.50
Un-ionized Ammonia	UG/L	# of Samples	5	4	4	4	4	0	0	2	1	0	0	1	25
Un-ionized Ammonia	UG/L	Maximum	<0.50	<0.50	<0.40	<0.40	<0.40	0	0	1.80	7.10	0	0	<0.40	7.10
Un-ionized Ammonia	UG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	UG/L	Monthly Average	0.25	0.25	0.20	0.20	0.20	0	0	1.35	7.10	0	0	0.20	7.10
Total Nickel	MG/L	# of Samples	5	4	4	4	4	0	0	2	1	0	0	1	25
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0	0	0.0110	0.0049	0	0	<0.0020	0.0110
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0010	0.0010	0.0010	0.0010	0	0	0.0105	0.0049	0	0	0.0010	0.0105
Total Lead	UG/L	# of Samples	5	4	4	4	4	0	0	2	1	0	0	1	25
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	<5.00	1.40	0	0	<0.50	<5.00
Total Lead	UG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0	0	1.85	1.40	0	0	0.25	1.85
pH	PH UNITS	# of Samples	5	4	4	4	4	0	0	2	1	0	0	1	25
pH	PH UNITS	Maximum	7.47	7.45	7.48	7.44	7.94	0	0	7.46	7.52	0	0	7.61	7.94
pH	PH UNITS	Minimum	7.41	7.39	7.42	7.29	7.07	0	0	7.44	7.52	0	0	7.61	7.07
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	4	4	4	4	0	0	2	1	0	0	1	25
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	<0.010	0	0	<0.010	<0.010	0	0	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0	0	0.005	0.005	0	0	0.005	0.005
TSS	MG/L	# of Samples	5	4	4	4	4	0	0	7	1	0	0	1	30
TSS	MG/L	Maximum	1.2	1.0	<1.0	3.4	8.0	0	0	540.0	130.0	0	0	7.0	540.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	7	1	0	0	0	8
TSS	MG/L	Monthly Average	0.6	0.6	0.5	2.3	3.7	0	0	270.0	130.0	0	0	7.0	270.0
Total Zinc	MG/L	# of Samples	5	4	4	4	4	0	0	2	1	0	0	1	25
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	<0.0050	0.0087	0.0110	0	0	0.0300	0.0140	0	0	<0.0050	0.0300
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0059	0.0054	0	0	0.0275	0.0140	0	0	0.0025	0.0275



**TABLE 71: Tacora Resources (Wabush) 2022 Tailings Line Emergency Dump Basin (Settling Basin)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	1	0	1	1	0	1	1	0	1	2	0	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	1	0	1	1	0	1	1	0	1	2	0	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	1	0	1	1	0	1	1	0	1	2	0	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	1	0	1	1	0	1	1	0	1	2	0	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	1	0	1	0	1	2	1	0	2	1	0	9
Total Arsenic	MG/L	Maximum	0	<0.0010	0	<0.0010	0	<0.0010	<0.0010	<0.0010	0	<0.0010	<0.0010	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0.0005	0	0.0005	0	0.0005	0.0005	0.0005	0	0.0005	0.0005	0	0.0005
Total Copper	UG/L	# of Samples	0	1	0	1	0	1	2	1	0	2	1	0	9
Total Copper	UG/L	Maximum	0	0.99	0	0.75	0	0.84	<0.50	<0.50	0	0.53	<0.50	0	0.99
Total Copper	UG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0.99	0	0.75	0	0.84	0.25	0.25	0	0.39	0.25	0	0.99
Un-ionized Ammonia	UG/L	# of Samples	0	1	2	3	5	4	4	5	3	5	5	4	41
Un-ionized Ammonia	UG/L	Maximum	0	<0.5	<0.4	<0.4	0.50	1.10	<0.4	1.40	1.70	2.60	1.60	0.60	2.60
Un-ionized Ammonia	UG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	UG/L	Monthly Average	0	0.25	0.20	0.20	0.26	0.59	0.20	0.58	1.13	1.26	0.74	0.30	1.26
Total Nickel	MG/L	# of Samples	0	1	0	1	0	1	2	1	0	2	1	0	9
Total Nickel	MG/L	Maximum	0	<0.002	0	<0.002	0	<0.002	<0.002	<0.002	0	<0.002	<0.002	0	<0.002
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0	0.001
Total Lead	UG/L	# of Samples	0	1	0	1	0	1	2	1	0	2	1	0	9
Total Lead	UG/L	Maximum	0	<0.50	0	<0.50	0	<0.50	<0.50	<0.50	0	<0.50	<0.50	0	<0.50
Total Lead	UG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0.25	0	0.25	0	0.25	0.25	0.25	0	0.25	0.25	0	0.25
pH	PH UNITS	# of Samples	0	1	2	3	5	4	4	5	3	5	5	4	41
pH	PH UNITS	Maximum	0	7.39	7.65	7.58	7.58	7.70	7.62	7.74	7.65	7.71	7.75	7.67	7.75
pH	PH UNITS	Minimum	0	7.39	7.37	7.23	7.30	7.63	7.52	7.45	7.54	7.68	7.38	7.40	7.23
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	1	0	1	0	1	2	1	0	2	1	0	9
Radium-226	BQ/L	Maximum	0	<0.010	0	<0.010	0	<0.010	<0.010	<0.010	0	<0.010	<0.010	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0.005	0	0.005	0	0.005	0.005	0.005	0	0.005	0.005	0	0.005
TSS	MG/L	# of Samples	0	1	2	3	9	4	4	5	3	5	7	4	47
TSS	MG/L	Maximum	0	2.4	11.0	9.4	40.0	5.2	6.8	8.0	3.2	22.0	37.0	9.6	40.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	1	0	0	0	0	0	1	0	2
TSS	MG/L	Monthly Average	0	2.4	7.1	7.9	13.2	2.7	3.8	3.9	2.2	7.7	11.9	3.8	13.2
Total Zinc	MG/L	# of Samples	0	1	0	1	0	1	2	1	0	2	1	0	9
Total Zinc	MG/L	Maximum	0	0.0130	0	0.0130	0	0.0081	0.0120	0.0067	0	0.0052	<0.0050	0	0.0130
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0.0130	0	0.0130	0	0.0081	0.0073	0.0067	0	0.0039	0.0025	0	0.0130

**TABLE 72: Tacora Resources (Wabush) 2022 West Pit Dewatering (Settling Basin)**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	0	0	1	1	0	1	1	0	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	0	<0.0010	0	<0.0010	<0.0010	<0.0010	0	<0.0010	0	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0	0.0005	0	0.0005	0.0005	0.0005	0	0.0005	0	0	0.0005
Total Copper	UG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Copper	UG/L	Maximum	5.40	<0.50	0	<0.50	0	1.30	<0.50	<0.50	0	<0.50	0	0	5.40
Total Copper	UG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1.28	0.25	0	0.25	0	1.30	0.25	0.25	0	0.25	0	0	1.30
Un-ionized Ammonia	UG/L	# of Samples	5	4	4	4	4	4	4	4	4	5	5	4	51
Un-ionized Ammonia	UG/L	Maximum	<0.50	<0.50	<0.40	<0.40	<0.40	<0.55	1.20	4.00	<0.46	1.40	<0.50	<0.40	4.00
Un-ionized Ammonia	UG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	UG/L	Monthly Average	0.25	0.25	0.20	0.20	0.20	0.22	0.45	1.18	0.21	0.59	0.21	0.20	1.18
Total Nickel	MG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Nickel	MG/L	Maximum	0.0037	<0.0020	0	<0.0020	0	<0.0020	<0.0020	<0.0020	0	<0.0020	0	0	0.0037
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0015	0.0010	0	0.0010	0	0.0010	0.0010	0.0010	0	0.0010	0	0	0.0015
Total Lead	UG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Lead	UG/L	Maximum	<0.50	<0.50	0	<0.50	0	<0.50	<0.50	<0.50	0	<0.50	0	0	<0.50
Total Lead	UG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0	0.25	0	0.25	0.25	0.25	0	0.25	0	0	0.25
pH	PH UNITS	# of Samples	5	4	4	4	4	4	4	4	4	5	5	4	51
pH	PH UNITS	Maximum	7.64	7.61	7.63	7.67	7.68	7.76	7.76	7.75	7.80	7.73	7.84	7.72	7.84
pH	PH UNITS	Minimum	7.51	7.48	7.58	7.51	7.60	7.67	7.66	7.08	7.70	7.70	7.56	7.65	7.08
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Radium-226	BQ/L	Maximum	<0.010	<0.010	0	<0.010	0	<0.010	<0.010	<0.010	0	<0.010	0	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0	0.005	0	0.005	0.005	0.005	0	0.005	0	0	0.005
TSS	MG/L	# of Samples	5	4	4	4	4	4	4	5	4	5	5	4	52
TSS	MG/L	Maximum	1.2	1.0	<1.0	1.2	1.2	2.6	2.6	2.6	1.6	1.8	1.3	0.7	2.6
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0.6	0.6	0.5	0.7	0.7	1.5	1.4	1.4	1.1	0.7	0.5	0.4	1.5
Total Zinc	MG/L	# of Samples	5	3	0	1	0	1	2	1	0	2	0	0	15
Total Zinc	MG/L	Maximum	0.0230	<0.0050	0	<0.0050	0	0.0088	0.0079	0.0085	0	<0.0050	0	0	0.0230
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0066	0.0025	0	0.0025	0	0.0088	0.0052	0.0085	0	0.0025	0	0	0.0088

**TABLE 73: Tata Steel Minerals Canada Limited 2022 COASW11**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	0.5	0	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	0	0	0	0	<1.0
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	0.5	0	0	0	0	0	0	0	0.5
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	0.000021	0	0	0	0	0	0	0	0.000021
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0.000021	0	0	0	0	0	0	0	0.000021
Total Nickel	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0	0	0	0	0	0	0	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0.25	0	0	0	0	0	0	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	6.7	0	0	0	0	0	0	0	6.7
pH	PH UNITS	Minimum	0	0	0	0	6.57	0	0	0	0	0	0	0	6.57
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	0	0	0	0.005	0	0	0	0	0	0	0	0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.005	0	0	0	0	0	0	0	0.005
TSS	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
TSS	MG/L	Maximum	0	0	0	0	7	0	0	0	0	0	0	0	7
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	6	0	0	0	0	0	0	0	6
Total Zinc	UG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	63	0	0	0	0	0	0	0	63
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	51	0	0	0	0	0	0	0	51

TABLE 74: Teck Resources (Millertown) 2022 Dam C

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	0	0	0	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	0	0	0	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	1	0	0	0	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	1	0	0	0	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
Total Arsenic	MG/L	Maximum	0.00050	0.00070	0.00070	0.00030	0.00040	0.00040	0.00070	0.00070	0	0	0	0.00040	0.00070
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00043	0.00045	0.00042	0.00030	0.00028	0.00038	0.00055	0.00056	0	0	0	0.00038	0.00056
Total Cyanide	MG/L	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
Total Cyanide	MG/L	Maximum	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	0	0	<0.005	<0.010
Total Cyanide	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cyanide	MG/L	Monthly Average	0.0031	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	0	0	0.0025	0.0031
Total Copper	MG/L	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
Total Copper	MG/L	Maximum	0.0165	0.0187	0.0348	0.0307	0.0369	0.0167	0.0140	0.0156	0	0	0	0.0383	0.0383
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0126	0.0144	0.0205	0.0284	0.0280	0.0143	0.0122	0.0141	0	0	0	0.0325	0.0325
Un-ionized Ammonia	MG/L	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
Un-ionized Ammonia	MG/L	Maximum	<0.0040	0.0030	0.0040	0.0030	<0.0010	<0.0020	0.0020	0.0010	0	0	0	<0.0010	0.0040
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0009	0.0011	0.0014	0.0015	0.0005	0.0006	0.0013	0.0008	0	0	0	0.0005	0.0015
Total Nickel	MG/L	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
Total Nickel	MG/L	Maximum	0.0011	0.0012	0.0031	0.0024	0.0023	0.0025	0.0010	0.0006	0	0	0	0.0025	0.0031
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0005	0.0009	0.0016	0.0023	0.0019	0.0020	0.0006	0.0003	0	0	0	0.0016	0.0023
Total Lead	MG/L	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
Total Lead	MG/L	Maximum	0.00070	0.00066	0.00123	0.00137	0.00122	0.00181	0.00095	0.00122	0	0	0	0.00075	0.00181
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00045	0.00043	0.00069	0.00103	0.00097	0.00148	0.00069	0.00075	0	0	0	0.00052	0.00148
pH	PH UNITS	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
pH	PH UNITS	Maximum	7.33	8.15	8.04	8.27	7.46	7.55	7.70	7.75	0	0	0	7.36	8.27
pH	PH UNITS	Minimum	6.91	6.81	6.99	7.12	7.09	6.98	7.51	7.47	0	0	0	6.99	6.81
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	1	0	0	0	1	9
Radium-226	BQ/L	Maximum	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	0	0	<0.005	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	0	0	0.0025	0.0025
TSS	MG/L	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
TSS	MG/L	Maximum	3.0	2.0	4.0	3.0	4.0	3.0	2.0	2.0	0	0	0	3.0	4.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.5	2.0	2.6	1.5	2.4	2.0	1.3	1.6	0	0	0	1.5	2.6
Total Zinc	MG/L	# of Samples	4	4	5	4	5	4	4	5	0	0	0	4	39
Total Zinc	MG/L	Maximum	0.237	0.225	0.298	0.240	0.301	0.276	0.101	0.109	0	0	0	0.229	0.301
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.101	0.163	0.139	0.228	0.250	0.213	0.075	0.077	0	0	0	0.200	0.250

**TABLE 75: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 D11**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	4	4	5	4	5	5	2	2	2	0	2	1	36
Total Arsenic	UG/L	Maximum	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.0	0	<1.0	<1.0	<2.5
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.3	1.2	1.3	1.2	1.2	1.2	1.1	1.3	1.0	0	0.5	0.5	1.3
Total Copper	UG/L	# of Samples	4	4	5	4	5	5	2	2	2	0	2	1	36
Total Copper	UG/L	Maximum	5.0	6.0	4.0	4.0	5.0	4.0	3.0	3.0	6.0	0	5.0	2.1	6.0
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	3.5	3.1	3.0	3.3	2.8	3.4	3.0	3.0	4.5	0	4.4	2.1	4.5
Un-ionized Ammonia	MG/L	# of Samples	4	4	5	4	5	4	2	2	2	0	1	1	34
Un-ionized Ammonia	MG/L	Maximum	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0	<0.0004	<0.0004	<0.0500
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0	0.0002	0.0002	0.0250
Total Nickel	UG/L	# of Samples	4	4	5	4	5	5	2	2	2	0	2	1	36
Total Nickel	UG/L	Maximum	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	5.0	0	2.7	<2.0	<12.5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	6.3	5.7	6.3	5.3	5.2	4.8	3.6	6.3	3.0	0	1.9	1.0	6.3
Total Lead	UG/L	# of Samples	4	4	5	4	5	5	2	2	2	0	2	1	36
Total Lead	UG/L	Maximum	3.2	6.6	2.8	2.9	2.3	<2.1	0.8	0.6	2.3	0	2.8	<0.5	6.6
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	1.8	2.3	1.8	1.8	1.1	1.0	0.5	0.6	1.5	0	2.0	0.3	2.3
pH	PH UNITS	# of Samples	4	5	5	4	6	4	2	2	3	0	2	1	38
pH	PH UNITS	Maximum	7.10	7.28	7.20	7.53	7.48	7.21	7.21	6.96	6.80	0	7.33	7.34	7.53
pH	PH UNITS	Minimum	6.82	6.70	6.55	6.83	6.50	6.93	6.88	6.93	6.77	0	7.25	7.34	6.50
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	4	4	5	4	5	4	2	2	2	0	2	1	35
TSS	MG/L	Maximum	6.0	11.0	7.0	6.0	4.0	<2.0	3.0	<2.0	<2.0	0	2.4	1.0	11.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2.8	5.8	3.8	3.8	2.2	1.0	2.0	1.0	1.0	0	1.9	1.0	5.8
Total Zinc	UG/L	# of Samples	4	4	5	4	5	5	2	2	2	0	2	1	36
Total Zinc	UG/L	Maximum	25	18	22	7	19	18	24	16	22	0	9.4	15	25
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	15	9	11.2	5.5	14	10.8	22.5	16	12.25	0	7.95	15	22.5

**TABLE 76: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 D2**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	4	1	1	1	1	1	2	1	2	1	1	1	17
Total Arsenic	UG/L	Maximum	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<1.0	<2.5
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.3	1.3	0.5	0.5	0.5	1.3
Total Copper	UG/L	# of Samples	4	1	1	1	1	1	2	1	2	1	1	1	17
Total Copper	UG/L	Maximum	4.0	3.0	3.0	2.0	4.0	4.0	5.0	1.0	3.0	6.5	5.5	4.5	6.5
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	3.0	3.0	3.0	2.0	4.0	4.0	4.5	1.0	3.0	6.5	5.5	4.5	6.5
Total Nickel	UG/L	# of Samples	4	1	1	1	1	1	2	1	2	1	1	1	17
Total Nickel	UG/L	Maximum	17.7	<12.5	<12.5	<12.5	<12.5	<12.5	8.0	12.7	<12.5	7.4	5.5	6.5	17.7
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	9.1	6.3	6.3	6.3	6.3	6.3	7.1	12.7	6.3	7.4	5.5	6.5	12.7
Total Lead	UG/L	# of Samples	4	1	1	1	1	1	2	1	2	1	1	1	17
Total Lead	UG/L	Maximum	0.7	4.1	0.7	0.7	0.6	0.8	0.6	<0.5	<0.5	0.87	0.56	0.74	4.1
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.6	4.1	0.7	0.7	0.6	0.8	0.425	0.25	0.25	0.87	0.56	0.74	4.1
pH	PH UNITS	# of Samples	4	1	1	1	1	1	2	1	2	1	1	1	17
pH	PH UNITS	Maximum	7.10	5.76	6.27	6.13	6.73	7.07	6.82	6.61	6.60	7.08	7.27	6.78	7.27
pH	PH UNITS	Minimum	6.24	5.76	6.27	6.13	6.73	7.07	6.46	6.61	6.60	7.08	7.27	6.78	5.76
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	4	1	1	1	1	1	2	1	2	1	1	1	17
TSS	MG/L	Maximum	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	1.0
Total Zinc	UG/L	# of Samples	4	1	1	1	1	1	2	1	2	1	1	1	17
Total Zinc	UG/L	Maximum	18	11	20	11	35	17	26	24	17	19	21	17	35
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	15	11	20	11	35	17	23.5	24	17	19	21	17	35

**TABLE 77: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 D25**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Arsenic	UG/L	Maximum	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2	<2.5	<2.5	<1.0	<1.0	<1.0	<2.5
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.25	1.25	1.25	1.25	1.25	1.25	1	1.25	1.25	0.5	0.5	0.5	1.25
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Copper	UG/L	Maximum	<1.0	2.0	2.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	0.9	0.7	0.8	2.0
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0.5	2.0	2.0	0.5	0.5	0.5	1.0	0.5	0.5	0.9	0.7	0.8	2.0
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Nickel	UG/L	Maximum	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	3.0	<12.5	<12.5	<2.0	<2.0	2.3	<12.5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	6.3	6.3	6.3	6.3	6.3	6.3	3.0	6.3	6.3	1.0	1.0	2.3	6.3
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Lead	UG/L	Maximum	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.5
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
pH	PH UNITS	Maximum	6.35	6.04	6.31	6.54	6.42	6.80	6.98	6.94	6.90	6.96	6.92	6.68	6.98
pH	PH UNITS	Minimum	6.35	6.04	6.31	6.54	6.42	6.80	6.98	6.94	6.90	6.96	6.92	6.68	6.04
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
TSS	MG/L	Maximum	<2.0	<2.0	2.0	2.0	<2.0	<2.0	12.0	<2.0	<2.0	<1.0	3.0	4.0	12.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	1.0	1.0	2.0	2.0	1.0	1.0	12.0	1.0	1.0	0.5	3.0	4.0	12.0
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Zinc	UG/L	Maximum	<10	13	<10	<10	<10	<10	12	<10	<10	<5.0	7.3	<5.0	13
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	5	13	5	5	5	5	12	5	5	2.5	7.3	2.5	13

**TABLE 78: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 D3**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Arsenic	UG/L	Maximum	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.0	<2.5	<2.5	1.1	<1.0	<1.0	<2.5
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.3	1.3	1.1	0.5	0.5	1.3
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Copper	UG/L	Maximum	2.0	2.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	2.0	1.6	1.4	2.0
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2.0	2.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	2.0	1.6	1.4	2.0
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Nickel	UG/L	Maximum	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	3	<12.5	<12.5	2.1	2.4	2.3	<12.5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	6.25	6.25	6.25	6.25	6.25	6.25	3	6.25	6.25	2.1	2.4	2.3	6.25
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Lead	UG/L	Maximum	1.30	1.10	0.90	1.90	<0.5	0.80	<0.50	<0.50	<0.50	0.73	0.98	0.56	1.90
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	1.30	1.10	0.90	1.90	0.25	0.80	0.25	0.25	0.25	0.73	0.98	0.56	1.90
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
pH	PH UNITS	Maximum	7.16	6.53	6.31	6.79	7.27	7.42	7.09	7.36	7.10	7.41	7.69	7.55	7.69
pH	PH UNITS	Minimum	7.16	6.53	6.31	6.79	7.27	7.42	7.09	7.36	7.10	7.41	7.69	7.55	6.31
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
TSS	MG/L	Maximum	3.0	2.0	2.0	4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	1.4	1.0	4.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	3.0	2.0	2.0	4.0	1.0	1.0	1.0	1.0	1.0	0.5	1.4	1.0	4.0
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Zinc	UG/L	Maximum	<10	<10	<10	<10	<10	<10	<5	<10	<10	5.4	10	5.6	10
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	5	5	5	5	5	5	2.5	5	5	5.4	10	5.6	10



**TABLE 79: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 D5**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Arsenic	UG/L	Maximum	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2	<2.5	<2.5	<1.0	<1.0	<1.0	<2.5
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.3	1.3	0.5	0.5	0.5	1.3
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Copper	UG/L	Maximum	2.0	8.0	1.0	3.0	1.0	1.0	<1.0	<1.0	1.0	1.2	0.9	3.1	8.0
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2.0	8.0	1.0	3.0	1.0	1.0	0.5	0.5	1.0	1.2	0.9	3.1	8.0
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Nickel	UG/L	Maximum	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	3.0	<12.5	<12.5	<2.0	<2.0	2.4	<12.5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	6.3	6.3	6.3	6.3	6.3	6.3	3.0	6.3	6.3	1.0	1.0	2.4	6.3
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Lead	UG/L	Maximum	1.4	7.8	0.8	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.8
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	1.4	7.8	0.8	1.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	7.8
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
pH	PH UNITS	Maximum	7.00	6.57	6.43	6.80	6.92	7.09	7.20	7.10	7.00	7.38	7.09	7.16	7.38
pH	PH UNITS	Minimum	7.00	6.57	6.43	6.80	6.92	7.09	7.20	7.10	7.00	7.38	7.09	7.16	6.43
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
TSS	MG/L	Maximum	5.0	3.0	3.0	11.0	<2.0	<2.0	<2.0	<2.0	<2.0	1.0	1.6	1.8	11.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	5.0	3.0	3.0	11.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.8	11.0
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	2	1	1	1	13
Total Zinc	UG/L	Maximum	<10.0	16.0	<10.0	<10.0	<10.0	<10.0	<5.0	<10.0	<10.0	<5.0	7.9	<5.0	16.0
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	5.0	16.0	5.0	5.0	5.0	5.0	2.5	5.0	5.0	2.5	7.9	2.5	16.0

**TABLE 80: Vale Newfoundland and Labrador Limited (Long Harbour) 2022 FDP1**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	0	1	0	1	0	0	0	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	0	0	1	0	1	0	0	0	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	0	1	0	1	0	0	2	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	0	0	1	0	1	0	0	2	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	5	4	5	5	5	4	5	5	7	5	5	4	59
Total Arsenic	UG/L	Maximum	2.5	2.8	2.7	<2.5	<2.5	<3.0	2.6	2.6	3.0	<10.0	<1.0	<1.0	<10
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.5	1.6	1.8	1.1	1.3	1.3	1.4	1.5	2.7	2.3	0.5	0.5	2.7
Total Copper	UG/L	# of Samples	5	4	5	5	5	4	5	5	7	5	5	4	59
Total Copper	UG/L	Maximum	11.0	7.0	11.0	8.0	7.0	3.0	7.0	5.0	4.0	<5.0	5.7	5.0	11.0
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	7.0	5.8	5.2	6.0	4.6	2.5	3.8	3.0	3.6	1.8	3.4	3.1	7.0
Un-ionized Ammonia	MG/L	# of Samples	4	4	5	5	5	4	5	5	7	4	4	4	56
Un-ionized Ammonia	MG/L	Maximum	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.002	0.002	0.003	<0.050
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.002	0.001	0.001	0.025
Total Nickel	UG/L	# of Samples	5	4	5	5	5	4	5	5	7	5	5	4	59
Total Nickel	UG/L	Maximum	86.3	69.1	70.9	143.0	109.0	78.1	76.0	46.1	49.6	61.0	59.0	83.0	143.0
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	70.0	64.8	64.7	113.1	83.4	47.0	49.6	36.4	40.9	42.2	38.4	70.0	113.1
Total Lead	UG/L	# of Samples	5	4	5	5	5	4	5	5	7	5	5	4	59
Total Lead	UG/L	Maximum	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<2.1	<0.5	<0.5	<5.0	<0.50	<0.50	<5.0
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	1.2	0.3	0.3	1.2
pH	PH UNITS	# of Samples	7	4	5	7	5	4	7	5	10	5	5	4	68
pH	PH UNITS	Maximum	8.04	7.97	7.83	8.05	7.68	7.57	7.90	7.36	7.03	7.51	7.46	8.10	8.10
pH	PH UNITS	Minimum	7.12	7.53	7.50	7.60	7.39	7.04	6.60	6.48	6.70	7.35	7.20	7.28	6.48
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	2	0	0	0	0	0	1	0	1	1	1	1	7
Radium-226	BQ/L	Maximum	<0.005	0	0	0	0	0	<0.005	0	<0.005	<0.010	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.003	0	0	0	0	0	0.003	0	0.003	0.005	0.005	0.005	0.005
TSS	MG/L	# of Samples	5	4	5	5	5	4	5	5	7	5	5	4	59
TSS	MG/L	Maximum	3.0	9.0	7.0	7.0	3.0	3.0	2.0	10.0	3.0	3.8	6.6	4.4	10.0
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	2	6.5	5.2	6.4	2.0	2.0	1.4	2.8	1.9	2.4	3.4	2.7	6.5
Total Zinc	UG/L	# of Samples	5	4	5	5	5	4	5	5	7	5	5	4	59
Total Zinc	UG/L	Maximum	<20.0	<10.0	<10.0	10.0	<10.0	<20.0	10.0	<10.0	11.0	<50.0	7.1	9.9	<50.0
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	6.4	5.0	5.0	4.5	5.0	6.3	7.0	5.0	6.4	12.6	5.1	4.4	12.6

**TABLE 81: Vale Newfoundland and Labrador (Voisey's Bay) 2022 Port Site Sed Pond**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	0	0	0	0	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	<2	0	0	0	0	0	0	0	<2
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	63	0	0	0	0	0	0	0	63
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	63	0	0	0	0	0	0	0	63
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Un-ionized Ammonia	MG/L	Maximum	0	0	0	0	<0.05	0	0	0	0	0	0	0	<0.05
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0	0.025	0	0	0	0	0	0	0	0.025
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	780	0	0	0	0	0	0	0	780
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	780	0	0	0	0	0	0	0	780
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	1.5	0	0	0	0	0	0	0	1.5
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	1.5	0	0	0	0	0	0	0	1.5
pH	PH UNITS	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	0	6.67	0	0	0	0	0	0	0	6.67
pH	PH UNITS	Minimum	0	0	0	0	6.67	0	0	0	0	0	0	0	6.67
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	0	0	0	<0.005	0	0	0	0	0	0	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.0025	0	0	0	0	0	0	0	0.0025
TSS	MG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
TSS	MG/L	Maximum	0	0	0	0	30	0	0	0	0	0	0	0	30
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	0	0	0	0	30	0	0	0	0	0	0	0	30
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	19	0	0	0	0	0	0	0	19
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	19	0	0	0	0	0	0	0	19

**TABLE 82: Vale Newfoundland and Labrador (Voisey's Bay) 2022 Treated Effluent Discharge**

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	2	2	2	2	2	1	0	1	2	3	1	2	20
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	2	2	1	0	1	2	2	1	2	14
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	2	2	1	0	0	0	0	0	0	1	0	0	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	1	0	0	1	0	0	0	1	2	0	0	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	1	0	0	1	0	0	0	1	1	0	0	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Arsenic	UG/L	# of Samples	6	7	6	5	4	4	5	5	4	7	3	4	60
Total Arsenic	UG/L	Maximum	3.0	3.0	3.0	3.0	2.0	<2.0	2.0	3.0	2.0	<1.0	<1.0	<1.0	3.0
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.7	2.0	2.3	2.2	1.3	1.0	1.2	1.6	2.0	0.5	0.5	0.5	2.3
Total Copper	UG/L	# of Samples	6	7	6	5	4	4	5	5	4	7	3	4	60
Total Copper	UG/L	Maximum	3.0	66.0	4.0	2.0	7.0	5.0	2.0	2.0	2.0	2.0	1.2	1.3	66.0
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2.2	18.3	2.5	1.6	4.3	3.0	1.6	1.8	1.8	1.4	1.2	1.0	18.3
Un-ionized Ammonia	MG/L	# of Samples	6	7	6	5	4	4	5	5	4	7	3	4	60
Un-ionized Ammonia	MG/L	Maximum	0.170	0.120	0.160	0.130	0.100	0.150	0.570	0.180	0.180	0.140	0.012	0.047	0.570
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.068	0.076	0.101	0.097	0.044	0.096	0.262	0.123	0.153	0.074	0.011	0.022	0.262
Total Nickel	UG/L	# of Samples	6	7	6	5	4	4	5	5	4	7	3	4	60
Total Nickel	UG/L	Maximum	45.0	57.0	62.0	53.0	146.0	135.0	35.0	42.0	43.0	60.0	69	55	146.0
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	38.3	45.7	52.8	47.4	107.8	96.0	32.0	40.4	39.0	49.4	64	5	107.8
Total Lead	UG/L	# of Samples	6	7	6	5	4	4	5	5	4	7	3	4	60
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	12	14	12	10	8	8	10	10	8	7	3	4	106
pH	PH UNITS	Maximum	8.27	8.32	8.41	8.46	7.61	7.37	8.32	7.09	6.88	7.76	7.49	7.49	8.46
pH	PH UNITS	Minimum	7.11	7.25	5.91	7.38	6.15	6.75	6.5	6.73	6.63	7.45	7.39	7.35	5.91
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	2	3	2	3	2	1	2	2	2	2	0	2	23
Radium-226	BQ/L	Maximum	0.006	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.010	0	<0.010	0.006
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.004	0.003	0.003	0.003	0.003	0.006	0.003	0.003	0.003	0.005	0	0.005	0.006
TSS	MG/L	# of Samples	6	7	6	5	4	4	5	5	4	7	3	4	60
TSS	MG/L	Maximum	6	9	7	9	5	4	5	3	10	24	2	2.6	24
TSS	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	MG/L	Monthly Average	5	7	6	6	4	2	3	2	5	7	1	1	7
Total Zinc	UG/L	# of Samples	6	7	6	5	4	4	5	5	4	7	3	4	60
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	8.0	<5.0	<5.0	<5.0	6.7	7.6	<5.0	8.0
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	2.5	2.5	2.5	2.5	2.5	3.9	2.5	2.5	2.5	3.5	4.2	2.5	3.9