

Environment and Climate Change

**Industrial Effluent Compliance
2021 Annual Report**

February 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

<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 2021, 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 2021.

Points to Note:

- The data presented is based upon 2021 reports submitted to ECC by industry, as of July 2022.
- 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 sum total for the year. The 'Overall' maximum and monthly average are the highest reported value for the year.

- In June 2021, new limits came into effect for metal and diamond mines as per the Metal and Diamond Mining Effluent Regulations. In this report, there are two tables for each mine discharge location. The January – May tables present the data subject to the limits in effect prior to June 1, 2021. The June – December tables present the data subject to the limits that came into effect after June 1, 2021.

Facilities

Anaconda Mining Incorporated

<u>2021 COA</u>	Approval #:	AA20-095663
	Issue Date:	September 21, 2020
	Expiration:	September 21, 2025

Anaconda Mining Incorporated discharged effluent from three locations in 2021. There were no reported exceedances. Note: There was no discharge from the North Pit Settlement Pond between January and May.

Environmental Effects Monitoring

The Anaconda Mining Incorporated Cycle Four Interpretive Report was reviewed in 2021.

See Table 1: Anaconda 2021 Polishing Pond Discharge – January - May
Table 2: Anaconda 2021 Polishing Pond Discharge – June - December
Table 3: Anaconda 2021 Argyle FDP – January - May
Table 4: Anaconda 2021 Argyle FDP – June – December
Table 5: Anaconda 2021 North Pit Settlement Pond Discharge – June - December

Atlantic Minerals Limited

Lower Cove

<u>2021 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 2021. There were no exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 6: Atlantic Minerals Lower Cove 2021 DL Quarry 1 (Goose Pond)
Table 7: Atlantic Minerals Lower Cove 2021 DL Quarry 2
Table 8: Atlantic Minerals Lower Cove 2021 HiCal Sampling Point #1

Corner Brook

<u>2021 Monitoring</u>	As per letter from PPD
	Issue Date: March 10, 2005

Atlantic Minerals Limited (Corner Brook) collected samples at two locations in 2021. There were two total dissolved solids (TDS) and two total suspended solids (TSS) exceedances reported at the Shale Quarry.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 9: Atlantic Minerals Corner Brook 2021 Series 1
Table 10: Atlantic Minerals Corner Brook 2021 Shale Quarry

Barite Mud Services Incorporated

<u>2021 COA</u>	Approval #:	AA20-065662
	Issue Date:	June 26, 2020
	Expiration:	June 26, 2025

Barite Mud Services Incorporated collected samples at two locations in 2021. There were two TSS, one barium and three lead exceedances reported at TP1.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 11: Barite Mud Services 2021 TP1
Table 12: Barite Mud Services 2021 Siphon

Beaver Brook Antimony Mine Incorporated

<u>2021 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 no reported exceedances.

Environmental Effects Monitoring

The Beaver Brook Antimony Mine Incorporated Cycle 3 Interpretive Report was reviewed in 2021.

See Table 13: Beaver Brook 2021 Site 16 – January – May
Table 14: Beaver Brook 2021 Site 16 – June – December

Canada Fluorspar Incorporated

<u>2021 COA</u>	Approval #:	AA17-075644
	Issue Date:	July 5, 2017
	Expiration:	July 5, 2022

Canada Fluorspar Incorporated discharges effluent from four locations, WQ STA 22, WQ STA 23, WQ STA 24 and WQ STA 25. In 2021, there were 39 nitrate exceedances reported at WQ STA 22. There were two lead and two zinc exceedances reported at WQ STA 23. There were 10 lead, 13 TSS, one zinc and one selenium exceedances reported at WQ STA 24. There were one nitrate, two lead and three TSS exceedances reported at WQ STA 25.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 15: Canada Fluorspar Incorporated 2021 WQ STA 22
Table 16: Canada Fluorspar Incorporated 2021 WQ STA 23
Table 17: Canada Fluorspar Incorporated 2021 WQ STA 24
Table 18: Canada Fluorspar Incorporated 2021 WQ STA 25

Carino Processing Limited

<u>2021 COA</u>	Approval #:	AA20-055660
	Issue Date:	May 29, 2020
	Expiration:	December 31, 2023

Carino Processing Limited has one effluent discharge location. In 2021, there were eight biochemical oxygen demand (BOD), six iron, nine ammonia, eight phenolics, two TDS, seven total oil and grease (TOG) and nine TSS exceedances reported.

Environmental Effects Monitoring

There were no EEM submissions reviewed in 2021 for Carino Processing Limited.

See Table 19: Carino 2021 Effluent Discharge

Central Regional Service Board

<u>2021 COA</u>	Approval #:	WMS-17-12-001
	Issue Date:	December 1, 2017
	Expiration:	December 31, 2022

The Central Regional Service Board has one discharge location at SW9. In 2021, there was one BOD, three ammonia and one TDS exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 20: Central Regional Service Board 2021 SW9

City of St. John's – Robin Hood Bay Regional Waste Management Facility

<u>2021 COA</u>	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 2021, there was one BOD and four iron exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 21: City of St. John’s – Robin Hood Bay Regional Waste Management Facility 2021 LW2

Corner Brook Pulp and Paper Limited

<u>2021 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 were no reported exceedances in 2021.

Environmental Effects Monitoring

The Corner Brook Pulp and Paper Limited Cycle 9 Study Design was reviewed in 2021.

See Table 22: Corner Brook Pulp and Paper 2021 East Sewer
Table 23: Corner Book Pulp and Paper 2021 Effluent Treatment
Table 24: Corner Brook Pulp and Paper 2021 Total Mill Discharge

Country Ribbon Incorporated

<u>2021 COA</u>	Approval #:	WMS-18-05-001
	Issue Date:	May 31, 2018
	Expiration:	May 31, 2022

Country Ribbon Incorporated has one discharge location designated as Post DAF Sampling. In 2021, there were 37 BOD, 16 TOG, six TSS and one orthophosphate exceedance reported at this location.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 25: Country Ribbon Incorporated (White Hills Road) 2021 Post DAF Sampling

DJ Composites

<u>2021 Monitoring</u>	As per letter from PPD
	Issue Date: March 8, 2012

DJ Composites has one effluent discharge location. There were no exceedances reported in 2021.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 26: DJ Composites 2021 Effluent

Department of Industry, Energy and Technology (Buchans)

2021 Monitoring As per letter from PPD
Issue Date: April 18, 2018

Several locations are sampled near the town of Buchans by the Department of Industry, Energy and Technology. Five of these locations discharge into the environment. In 2021, two zinc exceedances were reported at the PH1 & PH2 Combined location. One 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 reported at Site 17. One lead, one TSS and one zinc exceedances were reported at Site 2.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 27: Department of Industry, Energy and Technology (Buchans) 2021 PH1 & PH2 Combined
Table 28: Department of Industry, Energy and Technology (Buchans) 2021 Site 1
Table 29: Department of Industry, Energy and Technology (Buchans) 2021 Site 12
Table 30: Department of Industry, Energy and Technology (Buchans) 2021 Site 17
Table 31: Department of Industry, Energy and Technology (Buchans) 2021 Site 2

Department of Industry, Energy and Technology (Gullbridge)

2021 Monitoring As per letter from PPD
Issue Date: April 18, 2018

The discharge location at the Gullbridge mine site (Below Berm) is sampled by the Department of Industry, Energy and Technology. One copper and one pH were in exceedance in 2021.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 32: Department of Industry, Energy and Technology (Gullbridge) 2021 Below Berm

Department of Industry, Energy and Technology (Hope Brook)

2021 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 monitors effluent from seven different areas of the mine site. There were no exceedances reported in 2021.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 33: Department of Industry, Energy and Technology (Hope Brook) 2021 BHB#6
Table 34: Department of Industry, Energy and Technology (Hope Brook) 2021 Banana Pond

- Table 35: Department of Industry, Energy and Technology (Hope Brook) 2021 Catch Basin
- Table 36: Department of Industry, Energy and Technology (Hope Brook) 2021 Inlet to BHB
- Table 37: Department of Industry, Energy and Technology (Hope Brook) 2021 Open Pit Spillway
- Table 38: Department of Industry, Energy and Technology (Hope Brook) 2021 Pine Pond
- Table 39: Department of Industry, Energy and Technology (Hope Brook) 2021 Polish Pond

Department of Industry, Energy and Technology (Whalesback)

2021 Monitoring As per letter from PPD
 Issue Date: April 18, 2018

The discharge location at the Whalesback mine site (Tunnel Exit) is sampled by the Department of Industry, Energy and Technology. There was one copper exceedance in 2021.

Environmental Effects Monitoring
 There is no EEM program at this site.

See Table 40: Department of Industry, Energy and Technology (Whalesback) 2021 Tunnel Exit

Department of Transportation and Infrastructure (Grand Falls)

2021 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. One iron and one TSS were in exceedance in 2021.

Environmental Effects Monitoring
 There is no EEM program at this site.

See Table 41: Department of Transportation and Infrastructure (Grand Falls) 2021 North Sewer

GFL Environmental Services Inc. (formerly EnviroSystems Inc.)

2021 COA Approval #: WMS-07-07-017
 Issue Date: April 1, 2018
 Amended: August 25, 2020
 Expiration: March 31, 2023

GFL Environmental Services has one effluent discharge location. There were no exceedances reported in 2021.

Environmental Effects Monitoring
 There is no EEM program at this site.

See Table 42: GFL Environmental Services Inc. 2021 Waste Water Discharge

Husky Oil Operations Limited – Atlantic Region

<u>2021 COA</u>	Approval #:	AA13-115582B
	Issue Date:	October 3, 2014
	Amended:	June 14, 2018
	Expiration:	November 30, 2019
	Extension:	March 31, 2022

Husky Oil Operations Limited – Atlantic Region has two effluent discharge locations, the Settlement Pond #1 weir and the Settlement Pond #2 weir. In 2021, there were 12 ammonia, one TSS and five TDS exceedances reported at Settlement Pond #1 weir. There were 12 ammonia and 11 TDS exceedances reported at Settling Pond #2 weir.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 43: Husky Oil Operations – Atlantic (Argentina) 2021 Settlement Pond #1 Weir
Table 44: Husky Oil Operations – Atlantic (Argentina) 2021 Settlement Pond #2 Weir

Iron Ore Company of Canada

<u>2021 COA</u>	Approval #:	AA13-045575B
	Issue Date:	April 9, 2013
	Amended:	February 2, 2016
	Expiration:	April 9, 2018
	Extension:	June 30, 2022

The Iron Ore Company of Canada collected samples at ten discharge locations in 2021. There was one TSS exceedance reported at PD25. Note: There was no discharge from FDP-MP-06 between June and December.

Environmental Effects Monitoring

The Iron Ore Company of Canada Cycle 6 Interpretive Report was reviewed in 2021.

See Table 45: Iron Ore Company of Canada (Labrador City) 2021 FDP-HC – January – May
Table 46: Iron Ore Company of Canada (Labrador City) 2021 FDP-HC – June - December
Table 47: Iron Ore Company of Canada (Labrador City) 2021 FDP-JN – January – May
Table 48: Iron Ore Company of Canada (Labrador City) 2021 FDP-JN – June – December
Table 49: Iron Ore Company of Canada (Labrador City) 2021 FDP-LLN – January – May
Table 50: Iron Ore Company of Canada (Labrador City) 2021 FDP-LLN – June – December
Table 51: Iron Ore Company of Canada (Labrador City) 2021 FDP-MD30 – January - May
Table 52: Iron Ore Company of Canada (Labrador City) 2021 FDP-MD30 – June - December
Table 53: Iron Ore Company of Canada (Labrador City) 2021 FDP-W3-02 – January - May
Table 54: Iron Ore Company of Canada (Labrador City) 2021 FDP-W3-02 – June – December
Table 55: Iron Ore Company of Canada (Labrador City) 2021 FDP-MP-06 – January - May
Table 56: Iron Ore Company of Canada (Labrador City) 2021 PD-11
Table 57: Iron Ore Company of Canada (Labrador City) 2021 PD-19
Table 58: Iron Ore Company of Canada (Labrador City) 2021 PD-25

Table 59: Iron Ore Company of Canada (Labrador City) 2021 PD-32

Labatt Breweries

<u>2021 COA</u>	Approval #:	AA15-075607
	Issue Date:	July 27, 2015
	Expiration:	July 27, 2020
	Extension:	December 31, 2022

Labatt Breweries has one discharge point designated Water Chemistry. In 2021, there were 47 BOD, one copper, three orthophosphate, 13 pH, 20 TSS and one zinc exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 60: Labatt Breweries Newfoundland (St. John's) 2021 Water Chemistry

Marine Contractors Inc.

<u>2021 COA</u>	Approval #:	WMS-07-08-020
	Issue Date:	April 30, 2020
	Expiration:	April 30, 2025

Marine Contractors Inc. has one discharge point designated Lagoon. There were no exceedances reported in 2021.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 61: Marine Contractors Inc. 2021 Lagoon

Molson Coors Canada

<u>2021 COA</u>	Approval #:	AA17-065642
	Issue Date:	June 30, 2017
	Expiration:	June 30, 2022

Molson Coors Canada has one discharge point designated Water Chemistry. In 2021, there were 15 BOD and nine pH exceedances reported at this site.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 62: Molson Coors Canada (St. John's) 2021 Water Chemistry

Newfoundland Transshipment Limited

<u>2021 COA</u>	Approval #:	AA18-035648
	Issue Date:	March 13, 2018
	Expiration:	March 12, 2023

Newfoundland Transshipment Limited monitors water quality at nine locations. In 2021, there were no exceedances reported.

Environmental Effects Monitoring

There were no EEM submissions in 2021.

See Table 63: Newfoundland Transshipment Limited 2021 Oily Water Separator
Table 64: Newfoundland Transshipment Limited 2021 Remote Impoundment Pond
Table 65: Newfoundland Transshipment Limited 2021 Tank No. 1
Table 66: Newfoundland Transshipment Limited 2021 Tank No. 2
Table 67: Newfoundland Transshipment Limited 2021 Tank No. 3
Table 68: Newfoundland Transshipment Limited 2021 Tank No. 4
Table 69: Newfoundland Transshipment Limited 2021 Tank No. 5
Table 70: Newfoundland Transshipment Limited 2021 Tank No. 6
Table 71: Newfoundland Transshipment Limited 2021 Tank No. 7

Newfoundland and Labrador Hydro (Holyrood)

<u>2021 COA</u>	Approval #:	AA16-105640A
	Issue Date:	October 31, 2016
	Amended:	April 2, 2018
	Expiration:	August 31, 2021
	Extended:	March 30, 2022

The Newfoundland and Labrador Hydro Thermal Generating Station located in Holyrood samples effluent discharge at five locations. In 2021, one BOD and 11 TPH exceedances were reported at the CT-OS. There was one TDS, two TPH, one TSS and one zinc exceedance reported at the Continuous Basin. There were two iron, 36 TPH and four TSS exceedances reported at OS1. There were 19 TPH exceedances reported at OS2. At the WWTP, two nickel exceedances were reported.

Environmental Effects Monitoring

The Newfoundland and Labrador Hydro 2019-2020 Interpretive Report was reviewed in 2021.

See Table 72: Newfoundland and Labrador Hydro (Holyrood) 2021 CT-OS
Table 73: Newfoundland and Labrador Hydro (Holyrood) 2021 Continuous Basin
Table 74: Newfoundland and Labrador Hydro (Holyrood) 2021 OS1
Table 75: Newfoundland and Labrador Hydro (Holyrood) 2021 OS2
Table 76: Newfoundland and Labrador Hydro (Holyrood) 2021 WWTP

North Atlantic Refining Corp. (formerly North Atlantic Refining Limited)

<u>2021 COA</u>	Approval #:	AA21-065664
	Issue Date:	June 22, 2021
	Expiration:	December 31, 2021
	Approval #:	AA14-115594
	Issue Date:	November 13, 2014
	Expiration:	December 31, 2016
	Extension:	June 30, 2021

North Atlantic Refining Corp. has one discharge point, the outfall to sea location. In 2021 there were no exceedances reported.

Environmental Effects Monitoring

There were no EEM submissions reviewed in 2021 for North Atlantic Refining Corp.

See Table 77: North Atlantic Refining Corp. 2021 Outfall

Pardy's Waste Management (Incinerator Road)

<u>2021 COA</u>	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 2021, there were 11 nitrate, five orthophosphate, three total phosphates as P2O5, 10 TDS, one TSS and four zinc exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 78: Pardy's Waste Management (Incinerator Road) 2021 Waste Water Treatment Plant

Pardy's Waste Management (Donovans Industrial Park)

<u>2021 COA</u>	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 2021, there were no exceedances reported.

Environmental Effects Monitoring

There is no EEM program at this site.

See Table 79: Pardy's Waste Management (Donovans Industrial Park) 2021 Treated Wastewater

Rambler Metals and Mining Canada Limited

<u>2021 COA</u>	Approval #:	AA18-065651
	Issue Date:	June 15, 2018
	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.

Environmental Effects Monitoring

The Rambler Metals and Mining Canada Limited: Ming Mine Cycle 4 Study Design was reviewed in 2021.

See Table 80: Rambler Metals and Mining 2021 No.2 Polishing Pond – January – May
Table 81: Rambler Metals and Mining 2021 No.2 Polishing Pond – June - December
Table 82: Rambler Metals and Mining 2021 Treated Mine Effluent – January – May
Table 83: Rambler Metals and Mining 2021 Treated Mine Effluent – June – December

Tacora Resources

<u>2021 COA</u>	Approval #:	AA18-015646
	Issue Date:	January 22, 2018
	Expiration:	January 22, 2023

Tacora Resources collected samples from five discharge points in 2021. There were four TSS exceedances at Knoll Lake and there were 17 TSS exceedances at the Tailings Line Emergency Dump Basin.

Environmental Effects Monitoring

There were no EEM submissions reviewed in 2021 for Tacora Resources.

See Table 84: Tacora Resources (Wabush) 2021 East Pit 2 Dewatering – January – May
Table 85: Tacora Resources (Wabush) 2021 East Pit 2 Dewatering – June - December
Table 86: Tacora Resources (Wabush) 2021 Flora Lake Discharge – January – May
Table 87: Tacora Resources (Wabush) 2021 Flora Lake Discharge – June - December
Table 88: Tacora Resources (Wabush) 2021 Knoll Lake Discharge – January - May
Table 89: Tacora Resources (Wabush) 2021 Knoll Lake Discharge – June - December
Table 90: Tacora Resources (Wabush) 2021 Tailings Line Emergency Dump Basin – January - May
Table 91: Tacora Resources (Wabush) 2021 Tailings Line Emergency Dump Basin – June - December
Table 92: Tacora Resources (Wabush) 2021 West Pit Dewatering – January - May
Table 93: Tacora Resources (Wabush) 2021 West Pit Dewatering – June – December

Tata Steel Minerals Canada Limited

<u>2021 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 2021, COASW11. There was one TSS and one pH exceedance reported. There was one *Daphnia magna* ALT failure reported at the COASW11. It should be noted that the *Daphnia magna* ALT was a monitoring test only and not considered compliance determinant analyses at the time of the failure.

Environmental Effects Monitoring

The Tata Steel Minerals Canada Limited Cycle 3 Study Design was reviewed in 2021.

See Table 94: Tata Steel Minerals Canada Limited 2021 COASW11 – January – May
Table 95: Tata Steel Minerals Canada Limited 2021 COASW11 – June – December

Teck Resources Limited

2021 Monitoring Duck Pond Closure Water Quality Monitoring Program
Issue Date: November 25, 2015

Teck Resources Limited discharged effluent at the Dam C location in 2021. There were no exceedances reported.

Environmental Effects Monitoring

The Teck Resources Limited Cycle 5 Interpretive Report was reviewed in 2021.

See Table 96: Teck Resources Limited 2021 Dam C – January – May
Table 97: Teck Resources Limited 2021 Dam C – June – December

Vale Newfoundland and Labrador Limited (Long Harbour)

2021 COA 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 2021. There were no exceedances reported. Note: There was no discharge from D11 between January and May.

Environmental Effects Monitoring

There were no EEM submissions reviewed in 2021 for Vale Newfoundland and Labrador Limited (Long Harbour).

See Table 98: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D11 – June – December
Table 99: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D2 – January - May
Table 100: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D2 – June - December
Table 101: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D25 – January - May
Table 102: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D25 – June – December

Table 103: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D3 – January – May

Table 104: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D3 – June – December

Table 105: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D5 – January – May

Table 106: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D5 – June – December

Table 107: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 FDP1 – January – May

Table 108: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 FDP1 – June - December

Vale Newfoundland and Labrador Limited (Voisey's Bay)

2021 COA

Approval #: AA20-055659B
Issue Date: May 5, 2020
Amended: January 20, 2021
Expiration: December 31, 2023

Vale Newfoundland and Labrador Limited (Voisey's Bay) mine site discharged effluent from one location in 2021. There were three pH exceedances reported. There were six *Daphnia magna* ALT failures reported at the Treated Effluent discharge location. It should be noted that one of these *Daphnia magna* ALTs was a monitoring test only and not considered a compliance determinant. The other five failed tests collected after June 1, 2021 are considered compliance determinant analyses.

Environmental Effects Monitoring

There were no EEM submissions reviewed in 2021 for Vale Newfoundland and Labrador Limited (Voisey's Bay).

See Table 109: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2021 Treated Effluent Discharge – January – May

Table 110: Vale Newfoundland and Labrador Limited (Voisey's Bay) 2021 Treated Effluent Discharge – June - December

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 can be viewed exactly the same. Differences within the industrial facilities and the receiving environment make this a dynamic field that has to 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

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TABLE 1: Anaconda 2021 Polishing Pond Discharge (FDP) - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	3	3	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	3	3	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	3	3	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	3	3	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	3	3	6
Total Arsenic	MG/L	Maximum	0	0	0	0.00036	0.00038	0.00038
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0.00031	0.00033	0.00033
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	3	3	6
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0.12	0.0057	0.12
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2.0)	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0.0517	0.0054	0.05167
Total Copper	MG/L	# of Samples	0	0	0	3	3	6
Total Copper	MG/L	Maximum	0	0	0	0.065	0.035	0.065
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0.0427	0.0323	0.0427
Total Nickel	MG/L	# of Samples	0	0	0	3	3	6
Total Nickel	MG/L	Maximum	0	0	0	0.001	0.00084	0.001
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0.00086	0.00081	0.00086
Total Lead	MG/L	# of Samples	0	0	0	3	3	6
Total Lead	MG/L	Maximum	0	0	0	0.0019	0.0011	0.0019
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.00129	0.00088	0.00129
pH	PH UNITS	# of Samples	0	0	0	3	3	6
pH	PH UNITS	Maximum	0	0	0	7.77	7.79	7.79
pH	PH UNITS	Minimum	0	0	0	7.6	7.61	7.6
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	3	3	6
Radium-226	BQ/L	Maximum	0	0	0	0.005	<0.005	0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0.0033	0.0025	0.0033
Total Suspended Solids	MG/L	# of Samples	0	0	0	3	3	6
Total Suspended Solids	MG/L	Maximum	0	0	0	8	7	8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	8	5	8
Total Zinc	MG/L	# of Samples	0	0	0	3	3	6
Total Zinc	MG/L	Maximum	0	0	0	<0.00233	0.0077	0.0077
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0.00117	0.00388	0.00388

TABLE 2: Anaconda 2021 Polishing Pond Discharge (FDP) - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	1	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	1	0	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	1	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	1	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	1	0	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0.00051	0	0	0	0.00051
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0.00051	0	0	0	0.00051
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	1	0	0	0	1
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0.0058	0	0	0	0.0058
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0.0058	0	0	0	0.0058
Total Copper	MG/L	# of Samples	0	0	0	1	0	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0.037	0	0	0	0.037
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0.037	0	0	0	0.037
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	# of Samples	0	0	0	1	0	0	0	1
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Maximum	0	0	0	0.04	0	0	0	0.04
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Monthly Average	0	0	0	0.04	0	0	0	0.04
Total Nickel	MG/L	# of Samples	0	0	0	1	0	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0.00088	0	0	0	0.00088
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0.00088	0	0	0	0.00088
Total Lead	MG/L	# of Samples	0	0	0	1	0	0	0	1
Total Lead	MG/L	Maximum	0	0	0	<0.00003	0	0	0	<0.00003
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.00002	0	0	0	0.00002
pH	PH UNITS	# of Samples	0	0	0	1	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	7.87	0	0	0	7.87
pH	PH UNITS	Minimum	0	0	0	7.87	0	0	0	7.87
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	1	0	0	0	1
Radium-226	BQ/L	Maximum	0	0	0	<0.005	0	0	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0.0025	0	0	0	0.0025
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	1.5	0	0	0	1.5
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	1.5	0	0	0	1.5
Total Zinc	MG/L	# of Samples	0	0	0	1	0	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	<0.0023	0	0	0	<0.0023
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0.0013	0	0	0	0.0013

TABLE 3: Anaconda 2021 Argyle FDP – January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	2	2	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	2	2	4
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	2	2	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	2	2	4
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	2	2	4
Total Arsenic	MG/L	Maximum	0	0	0	0.0043	0.0044	0.0044
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0.0033	0.004	0.004
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	2	2	4
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0.25	0.24	0.25
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2.0)	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0.19	0.13	0.19
Total Copper	MG/L	# of Samples	0	0	0	2	2	4
Total Copper	MG/L	Maximum	0	0	0	0.054	0.082	0.082
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0.043	0.0465	0.0465
Total Nickel	MG/L	# of Samples	0	0	0	2	2	4
Total Nickel	MG/L	Maximum	0	0	0	0.0029	0.002	0.0029
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0.0023	0.0015	0.0023
Total Lead	MG/L	# of Samples	0	0	0	2	2	4
Total Lead	MG/L	Maximum	0	0	0	0.00045	0.00013	0.00045
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.00032	0.00007	0.00032
pH	PH UNITS	# of Samples	0	0	0	2	2	4
pH	PH UNITS	Maximum	0	0	0	7.82	7.64	7.82
pH	PH UNITS	Minimum	0	0	0	7.69	7.14	7.14
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	2	2	4
Radium-226	BQ/L	Maximum	0	0	0	0.006	<0.005	0.006
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0.0043	0.0025	0.0043
Total Suspended Solids	MG/L	# of Samples	0	0	0	2	2	4
Total Suspended Solids	MG/L	Maximum	0	0	0	10	3	10
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	9.5	3	9.5
Total Zinc	MG/L	# of Samples	0	0	0	2	2	4
Total Zinc	MG/L	Maximum	0	0	0	<0.00233	<0.00233	<0.00233
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0.0013	0.0013	0.0013

TABLE 4: Anaconda 2021 Argyle FDP – June – December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	1	1	2	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	1	1	2	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	1	1	2	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	1	1	2	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	1	0	1	1	2	1	1	7
Total Arsenic	MG/L	Maximum	0.0058	0	0.015	0.011	0.0106	0.0084	0.0042	0.015
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0058	0	0.015	0.011	0.0089	0.0084	0.0042	0.015
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	1	0	1	1	2	1	1	7
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0.026	0	0.062	0.12	0.1	0.12	0.408	0.408
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.026	0	0.062	0.12	0.086	0.12	0.408	0.408
Total Copper	MG/L	# of Samples	1	0	1	1	2	1	1	7
Total Copper	MG/L	Maximum	0.025	0	0.013	0.03	0.0135	0.0169	0.0104	0.03
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.025	0	0.013	0.03	0.0109	0.0169	0.0104	0.03
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	# of Samples	1	0	1	1	2	1	0	6
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Maximum	0.006	0	0.13	0.3	0.26	0.01	0	0.3
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Monthly Average	0.006	0	0.13	0.3	0.13	0.01	0	0.3
Total Nickel	MG/L	# of Samples	1	0	1	1	2	1	1	7
Total Nickel	MG/L	Maximum	0.004	0	0.0018	0.0042	0.0014	0.0013	0.0012	0.0042
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.004	0	0.0018	0.0042	0.0014	0.0013	0.0012	0.0042
Total Lead	MG/L	# of Samples	1	0	1	1	2	1	1	7
Total Lead	MG/L	Maximum	0.00048	0	0.00006	0.00023	0.000009	0.00013	<0.00003	0.00048
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00048	0	0.00006	0.00023	0.000007	0.00013	0.00002	0.00048
pH	PH UNITS	# of Samples	1	0	1	1	2	1	1	7
pH	PH UNITS	Maximum	7.49	0	7.73	7.7	8.01	6.63	7.44	8.01
pH	PH UNITS	Minimum	7.49	0	7.73	7.7	7.6	6.63	7.44	6.63
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	0	1	1	2	1	1	7
Radium-226	BQ/L	Maximum	<0.005	0	0.02	<0.01	0.007	<0.005	<0.005	0.02
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0	0.02	0.005	0.00475	0.0025	0.0025	0.02
Total Suspended Solids	MG/L	# of Samples	1	0	1	1	2	1	1	7
Total Suspended Solids	MG/L	Maximum	4	0	8	10	5	4	4	10
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	4	0	8	10	3.5	4	4	10
Total Zinc	MG/L	# of Samples	1	0	1	1	2	1	1	7
Total Zinc	MG/L	Maximum	<0.0023	0	0.0039	0.0075	<0.002	0.0203	0.00401	0.0203
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0013	0	0.0039	0.0075	0.001	0.0203	0.004	0.0203

TABLE 5: Anaconda 2021 North Pit Settlement Pond (FDP) - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	MG/L	# of Samples	0	0	0	0	1	0	0	1
Total Arsenic	MG/L	Maximum	0	0	0	0	<0.0002	0	0	<0.0002
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0	0.0001	0	0	0.0001
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	0	1	0	0	1
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0	<0.005	0	0	<0.005
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0	0.0025	0	0	0.0025
Total Copper	MG/L	# of Samples	0	0	0	0	1	0	0	1
Total Copper	MG/L	Maximum	0	0	0	0	0.001	0	0	0.001
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0	0.001	0	0	0.001
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	# of Samples	0	0	0	0	1	0	0	1
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Maximum	0	0	0	0	0	0	0	0
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Monthly Average	0	0	0	0	0	0	0	0
Total Nickel	MG/L	# of Samples	0	0	0	0	1	0	0	1
Total Nickel	MG/L	Maximum	0	0	0	0	0.0002	0	0	0.0002
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0	0.0002	0	0	0.0002
Total Lead	MG/L	# of Samples	0	0	0	0	1	0	0	1
Total Lead	MG/L	Maximum	0	0	0	0	<0.00009	0	0	<0.00009
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0	0.00005	0	0	0.00005
pH	PH UNITS	# of Samples	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	7.72	0	0	7.72
pH	PH UNITS	Minimum	0	0	0	0	7.72	0	0	7.72
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	0	1	0	0	1
Radium-226	BQ/L	Maximum	0	0	0	0	<0.005	0	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.0025	0	0	0.0025
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	<1	0	0	<1
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0.5	0	0	0.5
Total Zinc	MG/L	# of Samples	0	0	0	0	1	0	0	1
Total Zinc	MG/L	Maximum	0	0	0	0	<0.002	0	0	<0.002
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0	0.001	0	0	0.001

TABLE 6: Atlantic Minerals Lower Cove 2021 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	0	1	0	0	0	1	0	0	1	3
Total Silver	UG/L	Maximum	0	0	0	0	<0.10	0	0	0	<0.10	0	0	<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	0	0.05	0	0	0	0.05	0	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0	<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	0.5	0	0	0	0.5	0	0	0.5	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Barium	UG/L	Maximum	0	0	0	0	220	0	0	0	170	0	0	120	220
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	220	0	0	0	170	0	0	120	220
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	0	0	<50	0	0	<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	0	0	25	0	0	0	25	0	0	25	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Cadmium	UG/L	Maximum	0	0	0	0	<0.010	0	0	0	<0.010	0	0	<0.010	<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	0.005	0	0	0	0.005	0	0	0.005	0.005
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	<1.0	0	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	0	0	0	0.5	0	0	0	0.5	0	0	0.5	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Copper	UG/L	Maximum	0	0	0	0	0.76	0	0	0	1.1	0	0	0.93	1.1
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	0.76	0	0	0	1.1	0	0	0.93	1.1
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Iron	UG/L	Maximum	0	0	0	0	63	0	0	0	130	0	0	330	330
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	63	0	0	0	130	0	0	330	330
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	0	0	<0.013	0	0	<0.01	<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	0.0065	0	0	0	0.0065	0	0	0.005	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	0	0	0	6.6	0	0	<2.0	6.6
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	1	0	0	0	6.6	0	0	1	6.6
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	<0.050	0	0.13	0	0.051	0	0	0.12	0.13
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0.025	0	0.13	0	0.051	0	0	0.12	0.13
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	1.1	0	0	0	0.39	0	0	0.3	1.1
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	1.1	0	0	0	0.39	0	0	0.3	1.1

TABLE 6 CONTINUED: Atlantic Minerals Lower Cove 2021 DL Quarry 1 (Goose Pond)

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.010	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	0.005	0	0	0	0.005	0	0	0.005	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Lead	UG/L	Maximum	0	0	0	0	1.5	0	0	0	0.66	0	0	4.1	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	0	0	0	1.5	0	0	0	0.66	0	0	4.1	4.1
pH	PH UNITS	# of Samples	0	0	0	1	1	1	0	1	1	0	1	1	7
pH	PH UNITS	Maximum	0	0	0	8.11	8.19	8.06	0	7.9	7.88	0	8.1	7.93	8.19
pH	PH UNITS	Minimum	0	0	0	8.11	8.19	8.06	0	7.9	7.88	0	8.1	7.93	7.88
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	1	4
Phenolics	MG/L	Maximum	0	0	0	0	<0.0010	0	<0.0010	0	<0.0010	0	0	<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	0	0	0	0.0005	0	0.0005	0	0.0005	0	0	0.0005	0.0005
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	0	0	<0.50	0	0	<0.50	<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	0	0.25	0	0	0.25	0.25
Sulphide	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	0	0	<0.020	0	<0.020	0	<0.020	0	0	<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	0	0	0	0.01	0	0.01	0	0.01	0	0	0.01	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Calculated TDS	MG/L	Maximum	0	0	0	0	160	0	0	0	150	0	0	110	160
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	160	0	0	0	150	0	0	110	160
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	<0.090	0	<0.090	0	<0.090	0	0	<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	0	0	0	0.045	0	0.045	0	0.045	0	0	0.045	0.045
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	1	1	0	1	1	0	1	1	7
Total Suspended Solids	MG/L	Maximum	0	0	0	14	3	2.2	0	5.6	1.8	0	4	9.6	14
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	14	3	2.2	0	5.6	1.8	0	4	9.6	14
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Zinc	UG/L	Maximum	0	0	0	0	5.2	0	0	0	<5.0	0	0	9.2	9.2
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	5.2	0	0	0	2.5	0	0	9.2	9.2

TABLE 7: Atlantic Minerals Lower Cove 2021 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	0	1	0	0	0	1	0	0	0	2
Total Silver	UG/L	Maximum	0	0	0	0	<0.10	0	0	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	0	0.05	0	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	<1.0	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	0.5	0	0	0	0.5	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Barium	UG/L	Maximum	0	0	0	0	110	0	0	0	140	0	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	0	110	0	0	0	140	0	0	0	140
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	0	0	<50	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	25	0	0	0	25	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	<0.010	0	0	0	<0.010	0	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	0.005	0	0	0	0.005	0	0	0	0.005
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	<1.0	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	0.5	0	0	0	0.5	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Copper	UG/L	Maximum	0	0	0	0	<0.50	0	0	0	0.83	0	0	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	0.25	0	0	0	0.83	0	0	0	0.83
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Iron	UG/L	Maximum	0	0	0	0	50	0	0	0	<50	0	0	0	50
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	50	0	0	0	25	0	0	0	50
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	0	0	<0.013	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	0.0065	0	0	0	0.0065	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	0	0	0	<2.0	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	1	0	0	0	1	0	0	0	1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	<0.050	0	0.28	0	<0.050	0	0	0	0.28
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0.025	0	0.28	0	0.025	0	0	0	0.28
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	1.1	0	0	0	2.8	0	0	0	2.8
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	1.1	0	0	0	2.8	0	0	0	2.8

TABLE 7 CONTINUED: Atlantic Minerals Lower Cove 2021 DL Quarry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.010	0	0	0	<0.010	0	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	0.005	0	0	0	0.005	0	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Lead	UG/L	Maximum	0	0	0	0	7.4	0	0	0	5.3	0	0	0	7.4
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	7.4	0	0	0	5.3	0	0	0	7.4
pH	PH UNITS	# of Samples	0	0	0	1	1	1	0	1	1	0	1	0	6
pH	PH UNITS	Maximum	0	0	0	8.19	8.19	8.28	0	8.23	7.98	0	8.31	0	8.31
pH	PH UNITS	Minimum	0	0	0	8.19	8.19	8.28	0	8.23	7.98	0	8.31	0	7.98
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	<0.0010	0	<0.0010	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	0.0005	0	0.0005	0	0.0005	0	0	0	0.0005
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	0	0	0.65	0	0	0	0.65
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	0	0.65	0	0	0	0.65
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	<0.020	0	<0.020	0	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	0.01	0	0.01	0	0.01	0	0	0	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	150	0	0	0	200	0	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	0	150	0	0	0	200	0	0	0	200
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	0	3
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	<0.090	0	<0.090	0	<0.090	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	0.045	0	0.045	0	0.045	0	0	0	0.045
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	1	1	0	1	1	0	1	0	6
Total Suspended Solids	MG/L	Maximum	0	0	0	4.2	9	1.4	0	2	4	0	5.8	0	9
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	4.2	9	1.4	0	2	4	0	5.8	0	9
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	<5.0	0	0	0	<5.0	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	0	2.5	0	0	0	2.5	0	0	0	2.5

TABLE 8: Atlantic Minerals Lower Cove 2021 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	0	1	0	0	0	1	0	0	1	3
Total Silver	UG/L	Maximum	0	0	0	0	<0.10	0	0	0	<0.10	0	0	<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	0	0.05	0	0	0	0.05	0	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Arsenic	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	<1.0	0	0	<1.0	<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	0.5	0	0	0	0.5	0	0	0.5	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Barium	UG/L	Maximum	0	0	0	0	130	0	0	0	200	0	0	180	200
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	0	0	200	0	0	180	200
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Boron	UG/L	Maximum	0	0	0	0	<50	0	0	0	64	0	0	<50	64
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	25	0	0	0	64	0	0	25	64
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Cadmium	UG/L	Maximum	0	0	0	0	<0.010	0	0	0	0.013	0	0	0.027	0.027
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	0	0.013	0	0	0.027	0.027
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Chromium	UG/L	Maximum	0	0	0	0	<1.0	0	0	0	1.3	0	0	<1.0	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	0	0.5	0	0	0	1.3	0	0	0.5	1.3
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Copper	UG/L	Maximum	0	0	0	0	0.5	0	0	0	0.98	0	0	0.55	0.98
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	0.5	0	0	0	0.98	0	0	0.55	0.98
Total Iron	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Iron	UG/L	Maximum	0	0	0	0	85	0	0	0	420	0	0	64	420
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	85	0	0	0	420	0	0	64	420
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	0	0	<0.013	0	0	<0.01	<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	0.0065	0	0	0	0.0065	0	0	0.005	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Nickel	UG/L	Maximum	0	0	0	0	<2.0	0	0	0	2.7	0	0	<2.0	2.7
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	1	0	0	0	2.7	0	0	1	2.7
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0.24	0	0.12	0	0.33	0	0	<0.050	0.33
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0.24	0	0.12	0	0.33	0	0	0.025	0.33
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	1.6	0	0	0	4.2	0	0	3.5	4.2
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	1.6	0	0	0	4.2	0	0	3.5	4.2

TABLE 8 CONTINUED: Atlantic Minerals Lower Cove 2021 HiCal Sampling Point #1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.010	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	0.005	0	0	0	0.005	0	0	0.005	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Lead	UG/L	Maximum	0	0	0	0	4.8	0	0	0	5.9	0	0	0.77	5.9
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	0	4.8	0	0	0	5.9	0	0	0.77	5.9
pH	PH UNITS	# of Samples	0	0	0	1	1	1	0	1	1	0	1	1	7
pH	PH UNITS	Maximum	0	0	0	8.13	8.16	8.24	0	8.36	7.92	0	8.09	8.08	8.36
pH	PH UNITS	Minimum	0	0	0	8.13	8.16	8.24	0	8.36	7.92	0	8.09	8.08	7.92
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	1	4
Phenolics	MG/L	Maximum	0	0	0	0	<0.0010	0	<0.0010	0	<0.0010	0	0	<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	0	0	0	0.0005	0	0.0005	0	0.0005	0	0	0.0005	0.0005
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Selenium	UG/L	Maximum	0	0	0	0	0.51	0	0	0	0.61	0	0	<0.50	0.61
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	0.51	0	0	0	0.61	0	0	0.25	0.61
Sulphide	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	0	0	<0.020	0	<0.020	0	<0.020	0	0	<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	0	0	0	0.01	0	0.01	0	0.01	0	0	0.01	0.01
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Calculated TDS	MG/L	Maximum	0	0	0	0	170	0	0	0	220	0	0	230	230
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	170	0	0	0	220	0	0	230	230
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	0	1	4
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	<0.090	0	<0.090	0	<0.090	0	0	<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	0	0	0	0.045	0	0.045	0	0.045	0	0	0.045	0.045
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	1	1	0	1	1	0	1	1	7
Total Suspended Solids	MG/L	Maximum	0	0	0	4.4	5.6	18	0	5.6	12	0	17	7.2	18
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	4.4	5.6	18	0	5.6	12	0	17	7.2	18
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	0	0	1	0	0	1	3
Total Zinc	UG/L	Maximum	0	0	0	0	26	0	0	0	20	0	0	29	29
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	26	0	0	0	20	0	0	29	29

TABLE 9: Atlantic Minerals Corner Brook 2021 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	1	0	7
pH	PH UNITS	Maximum	0	0	0	0	8.43	8.25	8.38	8.66	8.36	8.23	8.18	0	8.66
pH	PH UNITS	Minimum	0	0	0	0	8.43	8.25	8.38	8.66	8.36	8.23	8.18	0	8.18
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 10: Atlantic Minerals Corner Brook 2021 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	1	0	7
pH	PH UNITS	Maximum	0	0	0	0	8.05	8.05	7.94	8.09	8.26	8.14	8.24	0	8.26
pH	PH UNITS	Minimum	0	0	0	0	8.05	8.05	7.94	8.09	8.26	8.14	8.24	0	7.94
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
TDS Measured	MG/L	# of Samples	0	0	0	0	1	1	1	1	1	1	1	0	7
TDS Measured	MG/L	Maximum	0	0	0	0	1100	970	1100	210	400	840	200	0	1100
TDS Measured	MG/L	Exceedance(>1000)	0	0	0	0	1	0	1	0	0	0	0	0	2
TDS Measured	MG/L	Monthly Average	0	0	0	0	1100	970	1100	210	400	840	200	0	1100
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	1	1	1	1	1	1	0	7
Total Suspended Solids	MG/L	Maximum	0	0	0	0	2.2	2	2	37	14	1.8	78	0	78
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	1	0	0	1	0	2
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	2.2	2	2	37	14	1.8	78	0	78

TABLE 11: Barite Mud Services 2021 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	3	2	0	0	0	1	1	0	0	7
Total Silver	MG/L	Maximum	0	0	0	<0.006	<0.006	0	0	0	<0.0006	0.0012	0	0	<0.006
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	0.0021	0.0030	0	0	0	0.0003	0.0012	0	0	0.0030
Total Arsenic	MG/L	# of Samples	0	0	0	4	3	1	0	0	3	1	0	0	12
Total Arsenic	MG/L	Maximum	0	0	0	0.0029	0.0063	<0.005	0	0	0.006	0.0071	0	0	0.0071
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	0.0026	0.0038	0.0025	0	0	0.0056	0.0071	0	0	0.0071
Total Barium	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Total Barium	MG/L	Maximum	0	0	0	3.9	3.5	0	0	0	1.2	8.55	0	0	8.55
Total Barium	MG/L	Exceedance(>5)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	MG/L	Monthly Average	0	0	0	2.37	2.55	0	0	0	1.20	8.55	0	0	8.55
Total Boron	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Total Boron	MG/L	Maximum	0	0	0	<0.04	<0.04	0	0	0	<0.004	0.027	0	0	0.027
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	0.014	0.020	0	0	0	0.002	0.027	0	0	0.027
Cyanide, Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0	<0.0050	0	0	0	0	0	0	0	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0	0.0025	0	0	0	0	0	0	0	0.0025
Total Cadmium	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Total Cadmium	MG/L	Maximum	0	0	0	0.0056	0.0062	0	0	0	0.0011	0.0039	0	0	0.0062
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	0.0055	0.0059	0	0	0	0.0011	0.0039	0	0	0.0059
Total Chromium	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Total Chromium	MG/L	Maximum	0	0	0	0.003	0.0033	0	0	0	0.0016	0.0037	0	0	0.0037
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	0.0020	0.0024	0	0	0	0.0016	0.0037	0	0	0.0037
Total Copper	MG/L	# of Samples	0	0	0	4	3	1	0	0	3	1	0	0	12
Total Copper	MG/L	Maximum	0	0	0	0.033	0.056	0.03	0	0	0.028	0.0499	0	0	0.056
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	0.0265	0.0340	0.0300	0	0	0.0200	0.0499	0	0	0.0499
Total Iron	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Total Iron	MG/L	Maximum	0	0	0	1.1	1.4	0	0	0	0.35	1.04	0	0	1.4
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	0.84	1.04	0	0	0	0.35	1.04	0	0	1.04
Total Mercury	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Total Mercury	MG/L	Maximum	0	0	0	<0.002	<0.002	0	0	0	<0.0002	2E-05	0	0	<0.002
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	0.00070	0.00100	0	0	0	0.00010	0.00002	0	0	0.00100
Total Nickel	MG/L	# of Samples	0	0	0	4	3	1	0	0	3	1	0	0	12
Total Nickel	MG/L	Maximum	0	0	0	<0.004	<0.004	<0.004	0	0	<0.004	0.0027	0	0	0.0027
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	0.0020	0.0020	0.0020	0	0	0.0017	0.0027	0	0	0.0027
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0.055	0.082	0	0	0	<0.02	0.042	0	0	0.082
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0.0463	0.0535	0	0	0	0.0100	0.0420	0	0	0.0535

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

TABLE 11 Continued: Barite Mud Services 2021 TP1

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nitrate	MG/L	# of Samples	0	0	0	2	2	0	0	0	1	1	0	0	6
Total Nitrate	MG/L	Maximum	0	0	0	0.08	<0.06	0	0	0	<0.06	<0.06	0	0	0.08
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	0.055	0.030	0	0	0	0.030	0.030	0	0	0.055
Orthophosphate	MG/L	# of Samples	0	0	0	2	2	0	0	0	1	1	0	0	6
Orthophosphate	MG/L	Maximum	0	0	0	<0.03	<0.03	0	0	0	<0.03	<0.03	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	0.015	0.015	0	0	0	0.015	0.015	0	0	0.015
Total Lead	MG/L	# of Samples	0	0	0	4	3	1	0	0	3	1	0	0	12
Total Lead	MG/L	Maximum	0	0	0	0.49	0.74	0.41	0	0	0.498	0.436	0	0	0.74
Total Lead	MG/L	Exceedance(>0.45)*	0	0	0	1	1	0	0	0	1	0	0	0	3
Total Lead	MG/L	Monthly Average	0	0	0	0.3625	0.4767	0.4100	0	0	0.3660	0.4360	0	0	0.4767
pH	PH UNITS	# of Samples	0	0	0	4	3	1	0	0	3	1	0	0	12
pH	PH UNITS	Maximum	0	0	0	6.83	7.06	6.54	0	0	6.96	7.82	0	0	7.82
pH	PH UNITS	Minimum	0	0	0	6.47	6.25	6.54	0	0	6.24	7.82	0	0	6.24
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	3	2	0	0	0	1	1	0	0	7
Phenolics	MG/L	Maximum	0	0	0	<0.002	<0.002	0	0	0	<0.002	<0.002	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	0.001	0.001	0	0	0	0.001	0.001	0	0	0.001
Radium-226	BQ/L	# of Samples	0	0	0	0	2	0	0	0	0	0	0	0	2
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(>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	0.0025	0	0	0	0	0	0	0	0.0025
Total Selenium	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Total Selenium	MG/L	Maximum	0	0	0	<0.008	<0.008	0	0	0	<0.0008	5E-05	0	0	<0.008
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	0.00280	0.00400	0	0	0	0.00040	0.00005	0	0	0.00400
Sulphide	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Sulphide	MG/L	Maximum	0	0	0	0.045	0.058	0	0	0	0.032	0.037	0	0	0.058
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	0.0403	0.0385	0	0	0	0.0320	0.0370	0	0	0.0403
Calculated TDS	MG/L	# of Samples	0	0	0	3	2	0	0	0	1	1	0	0	7
Calculated TDS	MG/L	Maximum	0	0	0	106	116	0	0	0	171	205.5	0	0	205.5
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	93.0	108.5	0	0	0	171.0	205.5	0	0	205.5
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	2	0	0	0	1	1	0	0	5
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	<0.1	<0.1	0	0	0	<0.1	<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	0.05	0.05	0	0	0	0.05	0.05	0	0	0.05
Total Suspended Solids	MG/L	# of Samples	0	0	0	4	3	1	0	0	3	1	0	0	12
Total Suspended Solids	MG/L	Maximum	0	0	0	20	51	17	0	0	31	20	0	0	51
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	1	0	0	0	1	0	0	0	2
Total Suspended Solids	MG/L	Monthly Average	0	0	0	16.3	26.3	17.0	0	0	17.7	20.0	0	0	26.3
Total Zinc	MG/L	# of Samples	0	0	0	4	3	1	0	0	3	1	0	0	12
Total Zinc	MG/L	Maximum	0	0	0	2.1	2.1	1.7	0	0	0.67	1.45	0	0	2.1
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	2.05	1.90	1.70	0	0	0.53	1.45	0	0	2.05

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

TABLE 12: Barite Mud Services 2021 Siphon

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	2	0	0	0	0	0	0	0	0	2
Total Silver	MG/L	Maximum	0	0	0	<0.006	0	0	0	0	0	0	0	0	<0.006
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	0.0017	0	0	0	0	0	0	0	0	0.0017
Total Arsenic	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Arsenic	MG/L	Maximum	0	0	0	<0.005	0	0	0	0	0	0	0	0	<0.005
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	0.0022	0	0	0	0	0	0	0	0	0.0022
Total Barium	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Barium	MG/L	Maximum	0	0	0	1.7	0	0	0	0	0	0	0	0	1.7
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	1.01	0	0	0	0	0	0	0	0	1.01
Total Boron	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Boron	MG/L	Maximum	0	0	0	<0.04	0	0	0	0	0	0	0	0	<0.04
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	0.011	0	0	0	0	0	0	0	0	0.011
Total Cadmium	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Cadmium	MG/L	Maximum	0	0	0	0.0079	0	0	0	0	0	0	0	0	0.0079
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	0.0066	0	0	0	0	0	0	0	0	0.0066
Total Chromium	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Chromium	MG/L	Maximum	0	0	0	<0.003	0	0	0	0	0	0	0	0	<0.003
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	0.00121	0	0	0	0	0	0	0	0	0.00121
Total Copper	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Copper	MG/L	Maximum	0	0	0	0.038	0	0	0	0	0	0	0	0	0.038
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	0.0315	0	0	0	0	0	0	0	0	0.0315
Total Iron	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Iron	MG/L	Maximum	0	0	0	1	0	0	0	0	0	0	0	0	1
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	0.875	0	0	0	0	0	0	0	0	0.875
Total Mercury	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Mercury	MG/L	Maximum	0	0	0	<0.002	0	0	0	0	0	0	0	0	<0.002
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	0.0006	0	0	0	0	0	0	0	0	0.0006
Total Nickel	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Nickel	MG/L	Maximum	0	0	0	<0.004	0	0	0	0	0	0	0	0	<0.004
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	0.0018	0	0	0	0	0	0	0	0	0.0018
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0.078	0	0	0	0	0	0	0	0	0.078
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0.0585	0	0	0	0	0	0	0	0	0.0585
Total Nitrate	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	<0.06	0	0	0	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	0.03	0	0	0	0	0	0	0	0	0.03

TABLE 12 Continued: Barite Mud Services 2021 Siphon

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0.04	0	0	0	0	0	0	0	0	0.04
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	0.04	0	0	0	0	0	0	0	0	0.04
Total Lead	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Lead	MG/L	Maximum	0	0	0	0.35	0	0	0	0	0	0	0	0	0.35
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	0.31	0	0	0	0	0	0	0	0	0.31
pH	PH UNITS	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	0	0	0	6.85	0	0	0	0	0	0	0	0	6.85
pH	PH UNITS	Minimum	0	0	0	6.84	0	0	0	0	0	0	0	0	6.84
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	2	0	0	0	0	0	0	0	0	2
Phenolics	MG/L	Maximum	0	0	0	<0.002	0	0	0	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	0.001	0	0	0	0	0	0	0	0	0.001
Total Selenium	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Selenium	MG/L	Maximum	0	0	0	<0.008	0	0	0	0	0	0	0	0	<0.008
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	0.0022	0	0	0	0	0	0	0	0	0.0022
Sulphide	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Sulphide	MG/L	Maximum	0	0	0	0.047	0	0	0	0	0	0	0	0	0.047
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	0.0365	0	0	0	0	0	0	0	0	0.0365
Calculated TDS	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	102	0	0	0	0	0	0	0	0	102
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	95	0	0	0	0	0	0	0	0	95
Total Suspended Solids	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	27	0	0	0	0	0	0	0	0	27
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	22	0	0	0	0	0	0	0	0	22
Total Zinc	MG/L	# of Samples	0	0	0	2	0	0	0	0	0	0	0	0	2
Total Zinc	MG/L	Maximum	0	0	0	2.4	0	0	0	0	0	0	0	0	2.4
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	2.2	0	0	0	0	0	0	0	0	2.2

TABLE 13: Beaver Brook 2021 Site 16 – January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	4	4	6	22
Total Arsenic	MG/L	Maximum	0.13	0.18	0.14	0.18	0.14	0.18
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.11	0.14	0.13	0.17	0.13	0.17
Total Copper	MG/L	# of Samples	4	4	4	4	6	22
Total Copper	MG/L	Maximum	0.0007	0.00059	0.00079	0.00055	0.00073	0.00079
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00048	0.00046	0.00060	0.00028	0.00049	0.00060
Total Nickel	MG/L	# of Samples	4	4	4	4	6	22
Total Nickel	MG/L	Maximum	0.028	0.026	0.024	0.15	0.011	0.15
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0221	0.0215	0.0200	0.0478	0.0099	0.0478
Total Lead	MG/L	# of Samples	4	4	4	4	6	22
Total Lead	MG/L	Maximum	0.00093	0.00036	0.0005	0.0081	0.00018	0.0081
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00067	0.00029	0.00035	0.00630	0.00015	0.00630
pH	PH UNITS	# of Samples	4	4	4	4	6	22
pH	PH UNITS	Maximum	7.92	8.21	7.92	8.31	8.79	8.79
pH	PH UNITS	Minimum	7.71	7.02	7.52	7.62	8.42	7.02
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	1	0	0	1
Radium-226	BQ/L	Maximum	0	0	0.007	0	0	0.007
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0.007	0	0	0.007
Total Suspended Solids	MG/L	# of Samples	4	4	4	4	6	22
Total Suspended Solids	MG/L	Maximum	6	4	6	10	4	10
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	3	3	3.8	8.5	1.7	8.5
Total Zinc	MG/L	# of Samples	4	4	4	4	6	22
Total Zinc	MG/L	Maximum	0.013	0.0063	0.0047	0.0029	<0.00233	0.013
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0083	0.0047	0.0032	0.0019	0.0012	0.0083

TABLE 14: Beaver Brook 2021 Site 16 – June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	1	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	1	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	0	0	1	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	2	2	5	3	25
Total Arsenic	MG/L	Maximum	0.21	0.16	0.16	0.11	0.102	0.075	0.054	0.21
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.185	0.155	0.146	0.110	0.102	0.062	0.052	0.185
Total Copper	MG/L	# of Samples	4	4	5	2	2	5	3	25
Total Copper	MG/L	Maximum	0.00049	0.0023	0.00029	0.00034	0.003	0.0003	0.00018	0.003
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00044	0.00106	0.00015	0.00034	0.00165	0.00017	0.00011	0.00165
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	# of Samples	4	4	5	2	2	5	3	25
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Maximum	0.002	0.003	0.0041	0.0008	0.0015	0.0187	0.013	0.0187
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH	MG/L	Monthly Average	0.0015	0.0024	0.0028	0.0008	0.0013	0.0118	0.0117	0.0118
Total Nickel	MG/L	# of Samples	4	4	5	2	2	5	3	25
Total Nickel	MG/L	Maximum	0.012	0.0098	0.0081	0.006	0.007	0.0202	0.021	0.021
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0108	0.0091	0.0071	0.0060	0.0068	0.0157	0.0197	0.0197
Total Lead	MG/L	# of Samples	4	4	5	2	2	5	3	25
Total Lead	MG/L	Maximum	0.001	0.00026	0.00006	0.00005	0.00015	0.00937	0.0076	0.00937
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00053	0.00013	0.00004	0.00005	0.00013	0.00377	0.00743	0.00743
pH	PH UNITS	# of Samples	4	4	5	2	4	10	6	35
pH	PH UNITS	Maximum	8.23	8.75	8.96	8.4	8.36	8.01	7.84	8.96
pH	PH UNITS	Minimum	7.52	7.8	8.46	8.08	7.51	7.42	7.53	7.42
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	0	1	0	0	1	0	3
Radium-226	BQ/L	Maximum	<0.005	0	<0.005	0	0	<0.005	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0	0.0025	0	0	0.0025	0	0.0025
Total Suspended Solids	MG/L	# of Samples	4	4	5	2	2	5	3	25
Total Suspended Solids	MG/L	Maximum	5	2	5	3	2	7	5	7
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	3.25	1.25	2.2	2	1.75	3.1	3	3.25
Total Zinc	MG/L	# of Samples	4	4	5	2	2	5	3	25
Total Zinc	MG/L	Maximum	<0.00233	<0.00233	0.0024	<0.00233	<0.002	0.004	0.0027	0.004
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.00117	0.00117	0.00141	0.00117	0.00100	0.00220	0.00167	0.00220

TABLE 15: Canada Fluorspar Incorporated 2021 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	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Silver	MG/L	Maximum	<0.0001	<0.0001	<0.00025	<0.0001	<0.0001	<0.00025	<0.0001	<0.00025	<0.0001	0.0003	<0.0001	<0.00025	0.0003
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	0.00007	0.00005	0.00005	0.00007	0.00005	0.00006	0.00005	0.00015	0.00005	0.00009	0.00015
Total Arsenic	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Arsenic	MG/L	Maximum	<0.003	0.003	0.003	0.003	<0.002	<0.002	0.004	0.005	0.002	0.003	0.003	0.007	0.007
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	0.0015	0.0020	0.0025	0.0020	0.0010	0.0010	0.0018	0.0033	0.0013	0.0020	0.0023	0.0055	0.0055
Total Barium	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Barium	MG/L	Maximum	0.169	0.242	0.169	0.168	0.115	0.183	0.202	0.18	0.198	0.18	0.179	0.169	0.242
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	0.169	0.211	0.139	0.127	0.098	0.159	0.155	0.156	0.148	0.167	0.143	0.139	0.211
Total Boron	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Boron	MG/L	Maximum	0.022	0.031	0.035	0.019	0.019	0.031	0.026	0.034	0.031	0.033	0.03	0.023	0.035
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	0.022	0.024	0.022	0.018	0.017	0.029	0.025	0.026	0.025	0.029	0.026	0.020	0.029
Total Cadmium	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Cadmium	MG/L	Maximum	0.0027	0.00432	0.0036	0.00315	0.00057	0.0005	0.00259	0.0037	0.00289	0.00346	0.00206	0.00166	0.00432
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	0.00270	0.00234	0.00276	0.00186	0.00041	0.00042	0.00111	0.00260	0.00182	0.00241	0.00182	0.00137	0.00276
Total Chromium	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Chromium	MG/L	Maximum	<0.003	<0.003	<0.003	<0.001	<0.001	0.004	0.001	<0.003	0.001	<0.001	<0.001	<0.003	0.004
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	0.00150	0.00117	0.00080	0.00050	0.00050	0.00120	0.00070	0.00075	0.00063	0.00050	0.00050	0.00113	0.00150
Total Copper	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Copper	MG/L	Maximum	0.004	0.005	0.003	0.004	0.003	0.003	0.005	0.006	0.009	0.008	0.004	0.01	0.01
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	0.0040	0.0040	0.0028	0.0035	0.0023	0.0020	0.0032	0.0043	0.0048	0.0050	0.0033	0.0078	0.0078
Total Iron	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Iron	MG/L	Maximum	0.214	0.383	0.64	0.18	0.11	0.12	0.23	0.18	1.36	0.28	0.19	0.523	1.36
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	0.214	0.217	0.336	0.135	0.093	0.068	0.156	0.108	0.423	0.165	0.145	0.409	0.423
Total Mercury	UG/L	# of Samples	0	0	1	0	0	1	0	1	0	0	0	1	4
Total Mercury	UG/L	Maximum	0	0	<0.026	0	0	<0.026	0	0.039	0	0	0	<0.026	0.039
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	0.039	0	0	0	0.013	0.039
Total Nickel	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Nickel	MG/L	Maximum	<0.003	<0.003	0.027	<0.002	0.004	0.005	0.004	0.091	0.003	0.003	0.004	0.003	0.091
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	0.0015	0.0013	0.0069	0.0010	0.0023	0.0022	0.0024	0.0168	0.0025	0.0028	0.0030	0.0021	0.0168
Ammonium + Ammonia Total	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Ammonium + Ammonia Total	MG/L	Maximum	0.82	1.18	1.46	0.65	0.24	0.17	1.05	0.98	0.39	1.34	0.88	1.02	1.46
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0.82	0.93	0.81	0.44	0.12	0.07	0.34	0.55	0.14	0.83	0.44	0.54	0.93
Total Nitrate	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Nitrate	MG/L	Maximum	12.9	16.8	12.8	9.39	11.4	23.2	19.8	21.2	26	25.5	37	12.6	37
Total Nitrate	MG/L	Exceedance(>10)	1	3	4	0	2	5	5	6	3	4	4	2	39
Total Nitrate	MG/L	Monthly Average	12.9	15.3	11.1	8.9	10.4	21.4	17.3	16.8	18.5	23.4	21.9	9.0	23.4

TABLE 15 CONTINUED: Canada Fluorspar Incorporated 2021 WQ STA 22

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	1	0	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0.02	0	0	0.01	0	<0.01	0	0	0	0.03	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	0.02	0	0	0.01	0	0.005	0	0	0	0.03	0.03
Total Lead	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Lead	MG/L	Maximum	0.01	0.018	0.021	0.0073	0.005	0.0058	0.0158	0.0165	0.0105	0.032	0.0085	0.022	0.032
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	0.0100	0.0127	0.0114	0.0055	0.0042	0.0048	0.0081	0.0105	0.0097	0.0174	0.0073	0.0158	0.0174
pH	PH UNITS	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
pH	PH UNITS	Maximum	7.49	7.63	7.6	7.76	7.75	7.9	7.74	7.81	7.78	7.83	7.84	8.24	8.24
pH	PH UNITS	Minimum	7.49	7.31	7.45	6.76	6.82	7.55	7.54	7.31	6.72	7.66	7.71	7.34	6.72
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	1	0	1	0	0	0	1	4
Phenolics	MG/L	Maximum	0	0	<0.001	0	0	<0.001	0	<0.001	0	0	0	0.001	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	0.0005	0	0	0.0005	0	0.0005	0	0	0	0.001	0.001
Radium-226	BQ/L	# of Samples	0	1	1	1	1	1	1	1	0	1	1	1	10
Radium-226	BQ/L	Maximum	0	0.03	0.02	0.01	0.009	0.02	0.02	0.08	0	0.032	0.04	0.03	0.08
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	0.03	0.02	0.01	0.009	0.02	0.02	0.08	0	0.032	0.04	0.03	0.08
Total Selenium	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Selenium	MG/L	Maximum	0.005	0.006	0.003	0.001	0.002	0.002	0.002	0.006	0.002	0.002	0.003	0.007	0.007
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	0.0050	0.0040	0.0016	0.0010	0.0013	0.0018	0.0018	0.0030	0.0015	0.0016	0.0023	0.0030	0.0050
Sulphide	MG/L	# of Samples	0	0	1	0	0	1	0	1	0	0	0	1	4
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	<0.05	0	<0.05	0	0	0	<0.05	<0.05
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	0.025	0	0	0	0.025	0.025
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	1	0	1	0	0	0	1	4
Calculated TDS	MG/L	Maximum	0	0	195	0	0	312	0	265	0	0	0	217	312
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	195	0	0	312	0	265	0	0	0	217	312
TDS Measured	MG/L	# of Samples	1	3	4	2	4	4	5	5	4	4	4	3	43
TDS Measured	MG/L	Maximum	274	240	274	262	294	362	358	348	402	364	306	216	402
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	274.0	232.7	249.5	214.0	234.5	347.0	308.8	270.4	299.0	322.0	267.5	190.0	347.0
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	1	1	1	1	1	2	0	1	1	1	11
TPH (Atlantic PIRI)	MG/L	Maximum	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0	<0.1	<0.1	<0.1	<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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0	0.05	0.05	0.05	0.05
Total Suspended Solids	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Suspended Solids	MG/L	Maximum	8	12	21	<5	<5	<5	5	<5	<5	<5	7	8	21
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	8.0	5.7	8.2	2.5	2.5	2.5	3.0	2.5	2.5	2.5	3.6	7.8	8.2
Total Zinc	MG/L	# of Samples	1	3	5	2	4	5	5	6	4	4	4	4	47
Total Zinc	MG/L	Maximum	0.128	0.113	0.094	0.363	0.012	0.015	0.066	0.099	0.09	0.104	0.053	0.072	0.363
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	0.128	0.100	0.075	0.211	0.009	0.012	0.033	0.062	0.055	0.067	0.043	0.052	0.211

TABLE 16: Canada Fluorspar Incorporated 2021 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	3	0	0	0	0	0	0	0	0	0	3
Total Silver	MG/L	Maximum	0	0	0.00046	0	0	0	0	0	0	0	0	0	0.00046
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	0.00032	0	0	0	0	0	0	0	0	0	0.00032
Total Arsenic	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Arsenic	MG/L	Maximum	0	0	0.014	0	0	0	0	0	0	0	0	0	0.014
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	0.0127	0	0	0	0	0	0	0	0	0	0.0127
Total Barium	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Barium	MG/L	Maximum	0	0	0.122	0	0	0	0	0	0	0	0	0	0.122
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	0.1093	0	0	0	0	0	0	0	0	0	0.1093
Total Boron	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Boron	MG/L	Maximum	0	0	0.021	0	0	0	0	0.01	0	0	0	0	0.021
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	0.0193	0	0	0	0	0	0	0	0	0	0.0193
Total Cadmium	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Cadmium	MG/L	Maximum	0	0	0.00334	0	0	0	0	0	0	0	0	0	0.00334
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	0.0028	0	0	0	0	0	0	0	0	0	0.0028
Total Chromium	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Chromium	MG/L	Maximum	0	0	0.004	0	0	0	0	0	0	0	0	0	0.004
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	0.0033	0	0	0	0	0	0	0	0	0	0.0033
Total Copper	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Copper	MG/L	Maximum	0	0	0.051	0	0	0	0	0.01	0	0	0	0	0.051
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	0.041	0	0	0	0	0	0	0	0	0	0.041
Total Iron	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Iron	MG/L	Maximum	0	0	2.9	0	0	0	0	0	0	0	0	0	2.9
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	2.37	0	0	0	0	0	0	0	0	0	2.37
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0.038	0	0	0	0	0	0	0	0	0	0.038
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	0.038	0	0	0	0	0	0	0	0	0	0.038
Total Nickel	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Nickel	MG/L	Maximum	0	0	0.007	0	0	0	0	0	0	0	0	0	0.007
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	0.0047	0	0	0	0	0	0	0	0	0	0.0047
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0.08	0	0	0	0	0	0	0	0	0	0.08
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0.045	0	0	0	0	0	0	0	0	0	0.045
Total Nitrate	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Nitrate	MG/L	Maximum	0	0	1.51	0	0	0	0	0	0	0	0	0	1.51
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	1.40	0	0	0	0	0	0	0	0	0	1.40

TABLE 16 CONTINUED: Canada Fluorspar Incorporated 2021 WQ STA 23

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0.02	0	0	0	0	0	0	0	0	0	0.02
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	0.02	0	0	0	0	0	0	0	0	0	0.02
Total Lead	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Lead	MG/L	Maximum	0	0	0.318	0	0	0	0	0	0	0	0	0	0.318
Total Lead	MG/L	Exceedance(>0.2)	0	0	2	0	0	0	0	0	0	0	0	0	2
Total Lead	MG/L	Monthly Average	0	0	0.242	0	0	0	0	0	0	0	0	0	0.242
pH	PH UNITS	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
pH	PH UNITS	Maximum	0	0	7.82	0	0	0	0	0	0	0	0	0	7.82
pH	PH UNITS	Minimum	0	0	7.63	0	0	0	0	0	0	0	0	0	7.63
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	0	0	0	0	0	0	1
Phenolics	MG/L	Maximum	0	0	0.002	0	0	0	0	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	0.002	0	0	0	0	0	0	0	0	0	0.002
Radium-226	BQ/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Radium-226	BQ/L	Maximum	0	0	0.04	0	0	0	0	0	0	0	0	0	0.04
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	0.04	0	0	0	0	0	0	0	0	0	0.04
Total Selenium	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Selenium	MG/L	Maximum	0	0	0.002	0	0	0	0	0	0	0	0	0	0.002
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	0.002	0	0	0	0	0	0	0	0	0	0.002
Sulphide	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	0	0	0	0	0	0	0	<0.05
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	0	0	0	0	0	0	0.025
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	291	0	0	0	0	0	0	0	0	0	291
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	291	0	0	0	0	0	0	0	0	0	291
TDS Measured	MG/L	# of Samples	0	0	2	0	0	0	0	0	0	0	0	0	2
TDS Measured	MG/L	Maximum	0	0	400	0	0	0	0	0	0	0	0	0	400
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	375	0	0	0	0	0	0	0	0	0	375
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	1	0	0	0	0	0	0	0	0	0	1
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	<0.1	0	0	0	0	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	0.05	0	0	0	0	0	0	0	0	0	0.05
Total Suspended Solids	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Suspended Solids	MG/L	Maximum	0	0	19	0	0	0	0	0	0	0	0	0	19
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	14	0	0	0	0	0	0	0	0	0	14
Total Zinc	MG/L	# of Samples	0	0	3	0	0	0	0	0	0	0	0	0	3
Total Zinc	MG/L	Maximum	0	0	0.749	0	0	0	0	0	0	0	0	0	0.749
Total Zinc	MG/L	Exceedance(>0.5)	0	0	2	0	0	0	0	0	0	0	0	0	2
Total Zinc	MG/L	Monthly Average	0	0	0.557	0	0	0	0	0	0	0	0	0	0.557

TABLE 17: Canada Fluorspar Incorporated 2021 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	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Silver	MG/L	Maximum	<0.0001	0	0.0003	0.0005	0.0003	0.0002	0.0002	0.0002	<0.00025	<0.0001	<0.0001	<0.00025	0.0005
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	0.00017	0.00016	0.00022	0.00010	0.00008	0.00009	0.00008	0.00005	0.00005	0.00008	0.00022
Total Arsenic	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Arsenic	MG/L	Maximum	0.004	0	0.008	0.009	0.016	0.019	0.031	0.038	0.04	0.037	0.039	0.031	0.04
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	0.00275	0	0.00525	0.00350	0.01033	0.01220	0.02320	0.03675	0.02533	0.02900	0.03225	0.02267	0.03675
Total Barium	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Barium	MG/L	Maximum	0.071	0	0.08	0.077	0.137	0.149	0.086	0.078	0.112	0.088	0.078	0.091	0.149
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	0.058	0	0.066	0.063	0.115	0.111	0.079	0.065	0.092	0.068	0.060	0.062	0.115
Total Boron	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Boron	MG/L	Maximum	0.015	0	0.01	0.011	0.025	0.031	0.032	0.046	0.036	0.04	0.042	0.036	0.046
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	0.013	0	0.009	0.010	0.021	0.028	0.029	0.033	0.027	0.034	0.038	0.031	0.038
Total Cadmium	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Cadmium	MG/L	Maximum	0.0004	0	0.002	0.002	0.00253	0.00239	0.00225	0.00626	0.00167	0.00134	0.00138	0.0008	0.00626
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	0.00023	0	0.00139	0.00083	0.00177	0.00140	0.00129	0.00211	0.00139	0.00106	0.00111	0.00076	0.00211
Total Chromium	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Chromium	MG/L	Maximum	<0.003	0	0.002	0.002	0.003	0.027	0.006	0.002	0.002	0.005	0.003	<0.003	0.027
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	0.0015	0	0.0013	0.0009	0.0018	0.0067	0.0022	0.0011	0.0020	0.0025	0.0015	0.0010	0.0067
Total Copper	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Copper	MG/L	Maximum	0.008	0	0.044	0.044	0.044	0.026	0.037	0.02	0.028	0.029	0.033	0.009	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	0.005	0	0.028	0.017	0.029	0.014	0.016	0.011	0.022	0.017	0.016	0.008	0.029
Total Iron	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Iron	MG/L	Maximum	0.45	0	1.84	1.58	1.83	1.42	2.23	1.04	2.33	2.29	2.08	0.752	2.33
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	0.40	0	1.09	0.72	1.33	0.66	0.78	0.45	1.64	1.26	1.03	0.51	1.64
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	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Nickel	MG/L	Maximum	<0.003	0	0.006	0.004	0.016	0.008	0.005	0.021	0.004	0.005	0.005	0.004	0.021
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	0.0015	0	0.0030	0.0018	0.0083	0.0028	0.0018	0.0064	0.0030	0.0025	0.0030	0.0020	0.0083
Ammonium + Ammonia Total	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Ammonium + Ammonia Total	MG/L	Maximum	0.09	0	<0.03	0.05	0.07	0.09	<0.03	0.05	0.06	0.63	0.12	0.1	0.63
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0.0525	0	0.0150	0.0300	0.0483	0.0300	0.0150	0.0388	0.0350	0.4413	0.0525	0.0800	0.4413
Total Nitrate	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Nitrate	MG/L	Maximum	3	0	2.46	2.8	1.89	1.38	1.65	1.82	1.8	7.94	1.07	2.73	7.94
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	2.14	0	2.43	1.82	1.75	1.19	1.48	1.48	1.73	2.87	0.85	1.79	2.87

TABLE 17 CONTINUED: Canada Fluorspar Incorporated 2021 WQ STA 24

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0.02	0	0	0.01	0	0	<0.01	0	0	0.01	0.02
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	0.02	0	0	0.01	0	0	0.005	0	0	0.01	0.02
Total Lead	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Lead	MG/L	Maximum	0.056	0	0.31	0.336	0.463	0.18	0.285	0.094	0.259	0.211	0.272	0.038	0.463
Total Lead	MG/L	Exceedance(>0.2)	0	0	2	1	2	0	1	0	2	1	1	0	10
Total Lead	MG/L	Monthly Average	0.0295	0	0.1913	0.1082	0.2352	0.0952	0.1135	0.0647	0.1953	0.1238	0.1046	0.0293	0.2352
pH	PH UNITS	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
pH	PH UNITS	Maximum	7.57	0	7.66	7.64	8.13	8.32	8.41	8.52	8.7	8.75	8.75	8.72	8.75
pH	PH UNITS	Minimum	7.5	0	7.52	7.61	7.5	8.07	8.24	8.44	8.09	7.91	7.77	7.94	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	1	0	0	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	0.002	0	0	<0.001	0	0	0.002	0	0	0.005	0.005
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	0.002	0	0	0.0005	0	0	0.002	0	0	0.005	0.005
Radium-226	BQ/L	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
Radium-226	BQ/L	Maximum	0.006	0	<0.005	0.03	0.02	0.05	0.02	0.01	0.04	<0.010	0.04	0.01	0.05
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	0.006	0	0.0025	0.03	0.02	0.05	0.02	0.01	0.04	0.005	0.04	0.01	0.05
Total Selenium	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Selenium	MG/L	Maximum	0.004	0	0.002	0.002	0.002	0.002	0.002	0.012	0.003	0.003	0.004	0.002	0.012
Total Selenium	MG/L	Exceedance(>0.01)	0	0	0	0	0	0	0	1	0	0	0	0	1
Total Selenium	MG/L	Monthly Average	0.003	0	0.001	0.001	0.002	0.002	0.002	0.005	0.002	0.002	0.003	0.002	0.005
Sulphide	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	<0.05	0	0	<0.05	0	0	<0.05	<0.05
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	181	0	0	313	0	0	363	0	0	546	546
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	181	0	0	313	0	0	363	0	0	546	546
TDS Measured	MG/L	# of Samples	2	0	3	4	3	4	5	4	2	4	4	2	37
TDS Measured	MG/L	Maximum	240	0	236	196	702	482	492	500	502	564	574	512	702
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	218.0	0	218.0	188.0	459.3	439.0	460.0	489.5	436.0	504.5	548.5	392.0	548.5
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	1	1	1	1	1	1	1	1	1	1	11
TPH (Atlantic PIRI)	MG/L	Maximum	<0.1	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<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	0.05	0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Suspended Solids	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Suspended Solids	MG/L	Maximum	16	0	47	39	70	63	62	20	44	56	82	11	82
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	2	1	1	2	1	0	2	2	2	0	13
Total Suspended Solids	MG/L	Monthly Average	14.0	0	23.6	12.8	29.0	25.5	22.5	11.6	35.7	37.0	36.0	9.3	37.0
Total Zinc	MG/L	# of Samples	2	0	4	4	3	5	5	4	3	4	4	3	41
Total Zinc	MG/L	Maximum	0.093	0	0.379	0.476	0.599	0.309	0.397	0.162	0.287	0.235	0.225	0.073	0.599
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	0	1	0	0	0	0	0	0	0	1
Total Zinc	MG/L	Monthly Average	0.056	0	0.235	0.152	0.330	0.134	0.152	0.088	0.210	0.127	0.097	0.043	0.330

TABLE 18: Canada Fluorspar Incorporated 2021 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	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Silver	MG/L	Maximum	<0.0002	<0.0001	<0.00025	<0.0001	<0.0001	<0.00025	<0.0001	<0.0001	<0.00025	<0.0001	<0.0001	<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	0.00010	0.00005	0.00009	0.00005	0.00005	0.00008	0.00005	0.00005	0.00008	0.00005	0.00005	0.00009	0.00010
Total Arsenic	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Arsenic	MG/L	Maximum	0.017	0.01	0.009	0.011	0.008	0.012	0.014	0.019	0.012	0.012	0.01	0.02	0.02
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	0.017	0.009	0.004	0.007	0.008	0.011	0.011	0.016	0.012	0.011	0.010	0.020	0.020
Total Barium	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Barium	MG/L	Maximum	0.155	0.112	0.108	0.108	0.101	0.086	0.107	0.118	0.094	0.095	0.109	0.127	0.155
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	0.155	0.106	0.067	0.079	0.101	0.085	0.092	0.098	0.088	0.090	0.106	0.121	0.155
Total Boron	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Boron	MG/L	Maximum	<0.020	0.025	0.02	0.016	0.019	0.02	0.018	0.027	0.021	0.022	0.023	0.02	0.027
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	0.010	0.025	0.013	0.013	0.019	0.020	0.018	0.020	0.020	0.021	0.020	0.020	0.025
Total Cadmium	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Cadmium	MG/L	Maximum	0.0021	0.0013	0.00193	0.0004	0.00035	0.00028	0.00056	0.0003	0.00032	0.00073	0.00043	0.00058	0.0021
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	0.00210	0.00080	0.00089	0.00040	0.00035	0.00021	0.00034	0.00018	0.00023	0.00060	0.00038	0.00054	0.00210
Total Chromium	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Chromium	MG/L	Maximum	<0.006	<0.003	0.001	0.002	<0.001	<0.002	0.002	0.003	0.001	0.001	<0.001	0.002	<0.006
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	0.00300	0.00150	0.00083	0.00125	0.00050	0.00067	0.00133	0.00175	0.00083	0.00083	0.00050	0.00150	0.00300
Total Copper	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Copper	MG/L	Maximum	0.04	0.025	0.035	0.008	0.006	0.01	0.011	0.013	0.005	0.005	0.008	0.012	0.04
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	0.0400	0.0160	0.0143	0.0060	0.0060	0.0063	0.0057	0.0075	0.0040	0.0047	0.0055	0.0115	0.0400
Total Iron	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Iron	MG/L	Maximum	2.19	0.665	1.22	0.94	0.22	0.41	1.11	1.45	0.55	0.46	0.43	1.28	2.19
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	2.19	0.48	0.61	0.72	0.22	0.27	0.58	0.79	0.43	0.33	0.31	1.24	2.19
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	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Nickel	MG/L	Maximum	<0.006	<0.003	0.004	0.006	<0.002	<0.002	0.003	0.07	0.003	0.003	0.003	0.004	0.07
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	0.0030	0.0015	0.0033	0.0035	0.0010	0.0010	0.0027	0.0358	0.0020	0.0027	0.0025	0.0035	0.0358
Ammonium + Ammonia Total	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Ammonium + Ammonia Total	MG/L	Maximum	0.32	0.21	0.28	<0.03	0.16	0.04	0.15	<0.03	<0.03	0.49	0.34	0.43	0.49
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0.320	0.175	0.103	0.015	0.160	0.023	0.060	0.015	0.015	0.337	0.240	0.415	0.415
Total Nitrate	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Nitrate	MG/L	Maximum	7.08	6.15	8.99	10.4	8.62	6.42	8.87	5.61	5.11	9.61	8.94	4.1	10.4
Total Nitrate	MG/L	Exceedance(>10)	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Nitrate	MG/L	Monthly Average	7.08	5.39	8.00	8.82	8.62	6.23	7.19	5.52	5.07	6.40	7.62	4.02	8.82

TABLE 18 CONTINUED : Canada Fluorspar Incorporated 2021 WQ STA 25

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	0.03	0	0	0.01	0	0	<0.01	0	0	0.01	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	0.03	0	0	0.01	0	0	0.005	0	0	0.01	0.03
Total Lead	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Lead	MG/L	Maximum	0.223	0.104	0.209	0.0336	0.029	0.0279	0.0535	0.04	0.0195	0.0203	0.0307	0.0546	0.223
Total Lead	MG/L	Exceedance(>0.2)	1	0	1	0	0	0	0	0	0	0	0	0	2
Total Lead	MG/L	Monthly Average	0.223	0.064	0.079	0.024	0.029	0.016	0.025	0.022	0.015	0.017	0.019	0.051	0.223
pH	PH UNITS	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
pH	PH UNITS	Maximum	7.78	7.93	7.9	7.86	7.68	7.92	7.93	7.94	7.93	7.91	8.77	7.88	8.77
pH	PH UNITS	Minimum	7.78	7.8	7.47	7.51	7.68	7.82	7.81	7.84	7.89	7.85	7.91	7.88	7.47
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	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	0.001	0	0	<0.001	0	0	0.001	0	0	0.003	0.003
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	0.001	0	0	0.0005	0	0	0.001	0	0	0.003	0.003
Radium-226	BQ/L	# of Samples	1	1	0	1	0	1	0	1	1	1	1	1	9
Radium-226	BQ/L	Maximum	0.02	<0.005	0	0.01	0	<0.005	0	0.02	0.01	<0.010	0.009	0.02	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	0.0025	0	0.01	0	0.0025	0	0.02	0.01	0.005	0.009	0.02	0.02
Total Selenium	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Selenium	MG/L	Maximum	<0.002	0.005	0.002	0.001	0.001	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.005
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	0.004	0.001	0.001	0.001	0.002	0.002	0.003	0.001	0.002	0.002	0.002	0.004
Sulphide	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Sulphide	MG/L	Maximum	0	0	<0.05	0	0	<0.05	0	0	<0.05	0	0	<0.05	<0.05
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	171	0	0	177	0	0	189	0	0	189	189
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	171	0	0	177	0	0	189	0	0	189	189
TDS Measured	MG/L	# of Samples	1	2	2	2	1	2	3	2	2	3	2	1	23
TDS Measured	MG/L	Maximum	206	188	224	222	208	208	214	180	388	214	226	198	388
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	206	187	221	211	208	198	200	179	305	203	217	198	305
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	0	1	0	1	0	1	1	1	1	1	9
TPH (Atlantic PIRI)	MG/L	Maximum	<0.1	<0.1	0	<0.1	0	<0.1	0	<0.1	<0.1	<0.1	<0.1	<0.1	<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	0.05	0.05	0	0.05	0	0.05	0	0.05	0.05	0.05	0.05	0.05	0.05
Total Suspended Solids	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Suspended Solids	MG/L	Maximum	28	24	19	20	9	10	42	13	16	8	18	68	68
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	1	0	0	0	0	2	3
Total Suspended Solids	MG/L	Monthly Average	28.0	15.0	9.2	17.0	9.0	5.0	16.5	7.8	9.5	5.8	12.0	66.5	66.5
Total Zinc	MG/L	# of Samples	1	2	3	2	1	3	3	2	3	3	2	2	27
Total Zinc	MG/L	Maximum	0.211	0.091	0.144	0.061	0.026	0.028	0.073	0.079	0.033	0.047	0.038	0.101	0.211
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	0.211	0.063	0.072	0.054	0.026	0.020	0.038	0.046	0.028	0.042	0.028	0.099	0.211

TABLE 19: Carino 2021 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	1	0	0	0	0	1	0	0	0	2
Total Silver	UG/L	Maximum	0	0	0	<0.10	0	0	0	0	<1.0	0	0	0	<1.0
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	0	0	0.5	0	0	0	0.5
Total Arsenic	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Total Arsenic	UG/L	Maximum	0	0	0	1.3	0	0	0	0	<10	0	0	0	<10
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	1.3	0	0	0	0	5	0	0	0	5
Total Barium	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Total Barium	UG/L	Maximum	0	0	0	2.6	0	0	0	0	<10	0	0	0	<10
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	2.6	0	0	0	0	5	0	0	0	5
Total Boron	UG/L	# of Samples	0	0	0	3	0	0	0	0	6	1	0	0	10
Total Boron	UG/L	Maximum	0	0	0	<500	0	0	0	0	<500	<500	0	0	<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	100	0	0	0	0	212.5	250	0	0	250
Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	2	0	0	0	0	4	2	0	0	8
Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	540	0	0	0	0	2500	1700	0	0	2500
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	2	0	0	0	0	4	2	0	0	8
Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	0	470	0	0	0	0	1377.5	1235	0	0	1377.5
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	<0.0050	0	0	0	0	<0.0050	0	0	0	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0.0025	0	0	0	0	0.0025	0	0	0	0.0025
Total Cadmium	UG/L	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
Total Cadmium	UG/L	Maximum	0	0	0	<0.10	0	0	0	0	0.25	0.28	0	0	0.28
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	0.026	0	0	0	0	0.115	0.165	0	0	0.165
Total Chromium	UG/L	# of Samples	0	0	0	3	0	0	0	0	5	0	0	0	8
Total Chromium	UG/L	Maximum	0	0	0	170	0	0	0	0	410	0	0	0	410
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	58.3	0	0	0	0	253.2	0	0	0	253.2
Total Hexavalent Chromium	MG/L	# of Samples	0	0	0	0	0	0	0	0	5	2	0	0	7
Total Hexavalent Chromium	MG/L	Maximum	0	0	0	0	0	0	0	0	0.018	<0.00099	0	0	0.018
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	0	0	0	0	0.004	0.0005	0	0	0.004
Total Copper	UG/L	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
Total Copper	UG/L	Maximum	0	0	0	24	0	0	0	0	13	14	0	0	24
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	21.33	0	0	0	0	4.75	12.5	0	0	21.33
Total Iron	UG/L	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
Total Iron	UG/L	Maximum	0	0	0	150000	0	0	0	0	14000	26000	0	0	150000
Total Iron	UG/L	Exceedance(>10000)	0	0	0	3	0	0	0	0	2	1	0	0	6
Total Iron	UG/L	Monthly Average	0	0	0	64000	0	0	0	0	8633	16600	0	0	64000
Total Mercury	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Total Mercury	UG/L	Maximum	0	0	0	0.037	0	0	0	0	0.018	0	0	0	0.037
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	0.037	0	0	0	0	0.018	0	0	0	0.037

TABLE 19 CONTINUED: Carino 2021 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	UG/L	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
Total Nickel	UG/L	Maximum	0	0	0	77	0	0	0	0	68	55	0	0	77
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	73.3	0	0	0	0	43.3	47	0	0	73.3
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	17	0	0	0	0	3.8	3.3	0	0	17
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	3	0	0	0	0	4	2	0	0	9
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	15.67	0	0	0	0	2.65	2.95	0	0	15.67
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	<0.050	0	0	0	0	0.052	0	0	0	0.052
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0.025	0	0	0	0	0.052	0	0	0	0.052
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Orthophosphate	MG/L	Maximum	0	0	0	0.067	0	0	0	0	0.01	0	0	0	0.067
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	0.067	0	0	0	0	0.01	0	0	0	0.067
Total Lead	UG/L	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
Total Lead	UG/L	Maximum	0	0	0	59	0	0	0	0	5.8	<5.0	0	0	59
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	22.2	0	0	0	0	2.8	2.5	0	0	22.2
pH	PH UNITS	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
pH	PH UNITS	Maximum	0	0	0	7.87	0	0	0	0	8.85	6.94	0	0	8.85
pH	PH UNITS	Minimum	0	0	0	7.77	0	0	0	0	7.1	6.74	0	0	6.74
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	3	0	0	0	0	6	2	0	0	11
Phenolics	MG/L	Maximum	0	0	0	0.092	0	0	0	0	14	24	0	0	24
Phenolics	MG/L	Exceedance(>0.1)	0	0	0	0	0	0	0	0	6	2	0	0	8
Phenolics	MG/L	Monthly Average	0	0	0	0.088	0	0	0	0	11.083	16.7	0	0	16.7
Total Selenium	UG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Total Selenium	UG/L	Maximum	0	0	0	5.4	0	0	0	0	<5.0	0	0	0	5.4
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	5.4	0	0	0	0	2.5	0	0	0	5.4
Sulphide	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Sulphide	MG/L	Maximum	0	0	0	0.039	0	0	0	0	0.065	0	0	0	0.065
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	0.039	0	0	0	0	0.065	0	0	0	0.065
Calculated TDS	MG/L	# of Samples	0	0	0	1	0	0	0	0	1	0	0	0	2
Calculated TDS	MG/L	Maximum	0	0	0	2300	0	0	0	0	7500	0	0	0	7500
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	1	0	0	0	0	1	0	0	0	2
Calculated TDS	MG/L	Monthly Average	0	0	0	2300	0	0	0	0	7500	0	0	0	7500
Total Oil and Grease	MG/L	# of Samples	0	0	0	2	0	0	0	0	5	2	0	0	9
Total Oil and Grease	MG/L	Maximum	0	0	0	65	0	0	0	0	55	33	0	0	65
Total Oil and Grease	MG/L	Exceedance(>15)	0	0	0	1	0	0	0	0	4	2	0	0	7
Total Oil and Grease	MG/L	Monthly Average	0	0	0	34.9	0	0	0	0	33.2	29.5	0	0	34.9
Total Suspended Solids	MG/L	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
Total Suspended Solids	MG/L	Maximum	0	0	0	2400	0	0	0	0	300	130	0	0	2400
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	3	0	0	0	0	4	2	0	0	9
Total Suspended Solids	MG/L	Monthly Average	0	0	0	855	0	0	0	0	88.8	108	0	0	855

TABLE 19 CONTINUED: Carino 2021 Effluent Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Zinc	UG/L	# of Samples	0	0	0	3	0	0	0	0	6	2	0	0	11
Total Zinc	UG/L	Maximum	0	0	0	58	0	0	0	0	200	410	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	0	22.6	0	0	0	0	117.3	255	0	0	255

TABLE 20: Central Regional Waste Services Board 2021 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	1	0	4
Total Silver	UG/L	Maximum	0	0	0	0	<0.10	0	<0.10	0	<0.10	0	<0.10	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	0.05	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Arsenic	UG/L	Maximum	0	0	0	0	14	0	18	0	6.8	0	1.1	0	18
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	14	0	18	0	6.8	0	1.1	0	18
Total Barium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Barium	UG/L	Maximum	0	0	0	0	290	0	360	0	290	0	150	0	360
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	290	0	360	0	290	0	150	0	360
Total Boron	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Boron	UG/L	Maximum	0	0	0	0	720	0	970	0	1400	0	260	0	1400
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	720	0	970	0	1400	0	260	0	1400
Biochemical Oxygen Demand	MG/L	# of Samples	1	0	0	1	1	1	0	0	1	1	1	0	7
Biochemical Oxygen Demand	MG/L	Maximum	6.6	0	0	58	11	6.2	0	0	9.7	4.5	<5.0	0	58
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	1	0	0	0	0	0	0	0	0	1
Biochemical Oxygen Demand	MG/L	Monthly Average	6.6	0	0	58	11	6.2	0	0	9.7	4.5	2.5	0	58
Total Cadmium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Cadmium	UG/L	Maximum	0	0	0	0	0.012	0	<0.010	0	0.015	0	0.016	0	0.016
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	0.012	0	0.005	0	0.015	0	0.016	0	0.016
Total Chromium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Chromium	UG/L	Maximum	0	0	0	0	6.4	0	4	0	4	0	1	0	6.4
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	6.4	0	4	0	4	0	1	0	6.4
Total Copper	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Copper	UG/L	Maximum	0	0	0	0	1.6	0	0.92	0	1.9	0	2.1	0	2.1
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	1.6	0	0.92	0	1.9	0	2.1	0	2.1
Total Iron	UG/L	# of Samples	1	0	0	1	2	1	1	0	2	1	2	0	11
Total Iron	UG/L	Maximum	550	0	0	1200	1800	520	1800	0	270	64	54	0	1800
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	550	0	0	1200	1600	520	1800	0	184.5	64	52	0	1800
Total Mercury	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Mercury	UG/L	Maximum	0	0	0	0	<0.013	0	<0.013	0	<0.013	0	<0.013	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	0.0065	0	0.0065	0	0.0065	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Nickel	UG/L	Maximum	0	0	0	0	19	0	23	0	30	0	6.4	0	30
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	19	0	23	0	30	0	6.4	0	30
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	73	0	40	0	11	0	0.94	0	73
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	1	0	1	0	1	0	0	0	3
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	73	0	40	0	11	0	0.94	0	73

TABLE 20 CONTINUED: Central Regional Waste Services Board 2021 SW9

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Nitrate, filtered, reactive	MG/L	# of Samples	1	0	0	1	2	1	1	0	2	1	2	0	11
Nitrate, filtered, reactive	MG/L	Maximum	7	0	0	0.48	0.68	0.22	0.23	0	6.5	3.5	5.6	0	7
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	7	0	0	0.48	0.545	0.22	0.23	0	4.6	3.5	5.3	0	7
Orthophosphate	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Orthophosphate	MG/L	Maximum	0	0	0	0	<0.010	0	<0.010	0	<0.010	0	<0.010	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	0.005	0	0.005	0	0.005	0	0.005	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Lead	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	<0.50	0	<0.50	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	0.25	0	0.25
pH	PH UNITS	# of Samples	1	0	0	1	2	1	1	0	2	1	2	0	11
pH	PH UNITS	Maximum	7.98	0	0	7.91	8.49	8.56	8.26	0	8.33	8.35	8.17	0	8.56
pH	PH UNITS	Minimum	7.98	0	0	7.91	8.35	8.56	8.26	0	8.05	8.35	8.06	0	7.91
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	0	0	0	0	1	0	1	0	1	0	1	0	4
Phenolics	MG/L	Maximum	0	0	0	0	0.0015	0	0.0013	0	0.0011	0	<0.0010	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	0.0015	0	0.0013	0	0.0011	0	0.0005	0	0.0015
Total Selenium	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Selenium	UG/L	Maximum	0	0	0	0	<0.50	0	<0.50	0	<0.50	0	<0.50	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	0.25	0	0.25
Sulphide	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Sulphide	MG/L	Maximum	0	0	0	0	<0.020	0	0.074	0	<0.020	0	<0.020	0	0.074
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	0.074	0	0.01	0	0.01	0	0.074
Calculated TDS	MG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Calculated TDS	MG/L	Maximum	0	0	0	0	1000	0	1000	0	1300	0	440	0	1300
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	1000	0	1000	0	1300	0	440	0	1300
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	2	1	1	0	2	1	2	0	11
Total Suspended Solids	MG/L	Maximum	10	0	0	28	19	10	8.5	0	15	<2.5	3.2	0	28
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	10	0	0	28	16	10	8.5	0	9.65	1.25	2.2	0	28
Total Zinc	UG/L	# of Samples	0	0	0	0	1	0	1	0	1	0	1	0	4
Total Zinc	UG/L	Maximum	0	0	0	0	<5.0	0	<5.0	0	5.5	0	11	0	11
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	2.5	0	2.5	0	5.5	0	11	0	11

TABLE 21 City of St. John's - Robin Hood Bay Landfill 2021 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	1400	0	0	1400	0	0	1700	0	0	1700	0	0	1700
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	1400	0	0	1400	0	0	1700	0	0	1700	0	0	1700
Biochemical Oxygen Demand	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Biochemical Oxygen Demand	MG/L	Maximum	110	0	0	170	0	0	52	0	0	370	0	0	370
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	1	0	0	1
Biochemical Oxygen Demand	MG/L	Monthly Average	110	0	0	170	0	0	52	0	0	370	0	0	370
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Cyanide, Strong Acid Dissociable	MG/L	Maximum	<0.0050	0	0	<0.0050	0	0	<0.0050	0	0	0.0065	0	0	0.0065
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.0025	0	0	0.0025	0	0	0.0025	0	0	0.0065	0	0	0.0065
Total Cadmium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0.12	0	0	<0.10	0	0	0.033	0	0	0.13	0	0	0.13
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	0.12	0	0	0.05	0	0	0.033	0	0	0.13	0	0	0.13
Total Chromium	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	8.9	0	0	<10	0	0	5.6	0	0	16	0	0	16
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	8.9	0	0	5	0	0	5.6	0	0	16	0	0	16
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	0.0027	0	0	<0.00099	0	0	0.0027
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	0.0005	0	0	0.0005	0	0	0.0027	0	0	0.0005	0	0	0.0027
Total Copper	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	16	0	0	7.9	0	0	3.9	0	0	14	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	16	0	0	7.9	0	0	3.9	0	0	14	0	0	16
Total Iron	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	23000	0	0	24000	0	0	20000	0	0	19000	0	0	24000
Total Iron	UG/L	Exceedance(>15000)	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Iron	UG/L	Monthly Average	23000	0	0	24000	0	0	20000	0	0	19000	0	0	24000
Total Mercury	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	0.047	0	0	0.023	0	0	<0.013	0	0	0.025	0	0	0.047
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	0.047	0	0	0.023	0	0	0.0065	0	0	0.025	0	0	0.047
Total Nickel	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	18	0	0	<20	0	0	14	0	0	24	0	0	24
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	18	0	0	10	0	0	14	0	0	24	0	0	24
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	<0.010	0	0	0.096	0	0	0.096
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	0.005	0	0	0.096	0	0	0.096
Total Lead	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	19	0	0	7	0	0	2	0	0	8.4	0	0	19
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	19	0	0	7	0	0	2	0	0	8.4	0	0	19

TABLE 21 CONTINUED: City of St. John's - Robin Hood Bay Landfill 2021 LW2

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	7.2	0	0	7.24	0	0	7.12	0	0	7.28	0	0	7.28
pH	PH UNITS	Minimum	7.2	0	0	7.24	0	0	7.12	0	0	7.28	0	0	7.12
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	0.054	0	0	0.072	0	0	0.018	0	0	0.22	0	0	0.22
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.054	0	0	0.072	0	0	0.018	0	0	0.22	0	0	0.22
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	0.4	0	0	0.38	0	0	1.8	0	0	0.99	0	0	1.8
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	0.4	0	0	0.38	0	0	1.8	0	0	0.99	0	0	1.8
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	170	0	0	73	0	0	110	0	0	110	0	0	170
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	170	0	0	73	0	0	110	0	0	110	0	0	170
Total Zinc	UG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	68	0	0	300	0	0	86	0	0	200	0	0	300
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	68	0	0	300	0	0	86	0	0	200	0	0	300

TABLE 22: Corner Brook Pulp and Paper 2021 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	4	4	5	4	5	4	4	5	4	4	5	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	4	4	5	4	5	4	4	5	4	4	5	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	7.68	0	0	7.66	0	0	7.72	0	0	7.66	0	0	7.72
pH	PH UNITS	Minimum	7.68	0	0	7.66	0	0	7.72	0	0	7.66	0	0	7.66
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 23: Corner Brook Pulp and Paper 2021 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	4	4	5	4	5	4	4	5	4	4	5	4	52
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	4	4	5	4	5	4	4	5	4	4	5	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	7.4	0	0	7.32	0	0	7.36	0	0	7.34	0	0	7.4
pH	PH UNITS	Minimum	7.4	0	0	7.32	0	0	7.36	0	0	7.34	0	0	7.32
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 24: Corner Brook Pulp and Paper 2021 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	3.2359	3.1198	1.4610	1.9041	1.5442	4.1400	2.0728	2.5286	2.1866	2.0032	1.6841	2.1888	4.1400
TSS	Tonnes/ Day	Exceedance (>15.3)	0	0	0	0	0	0	0	0	0	0	0	0	0
TSS	Tonnes/ Day	Average	1.8848	1.4233	0.7281	1.0423	0.9306	1.0637	0.9868	0.9183	1.3328	1.1938	1.0017	1.2921	1.8848
TSS	Tonnes/ Day	Exceedance (>9.16)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	# of Samples	12	12	14	13	12	14	13	13	14	12	13	14	156
BOD	Tonnes/ Day	Maximum	0.6973	0.7653	0.4923	1.5712	0.3556	0.5271	1.4753	0.6444	0.5829	0.7437	0.5267	0.7510	1.5712
BOD	Tonnes/ Day	Exceedance (>10.2)	0	0	0	0	0	0	0	0	0	0	0	0	0
BOD	Tonnes/ Day	Average	0.3765	0.4043	0.2294	0.3495	0.2321	0.3418	0.5444	0.3329	0.3726	0.4016	0.2994	0.4987	0.5444
BOD	Tonnes/ Day	Exceedance (>6.11)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 25: Country Ribbon Incorporated (White Hills Road) 2021 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	0	1	0	1	0	0	1	0	0	4
Total Boron	UG/L	Maximum	<50	0	0	0	<50	0	<50	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	25	0	0	0	25	0	25	0	0	25	0	0	25
Biochemical Oxygen Demand	MG/L	# of Samples	4	4	5	4	4	5	4	3	3	3	4	2	45
Biochemical Oxygen Demand	MG/L	Maximum	520	470	450	430	590	440	350	670	1200	560	450	370	1200
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	4	4	4	4	4	3	2	3	2	3	3	1	37
Biochemical Oxygen Demand	MG/L	Monthly Average	462.5	397.5	372	390	477.5	324	297.5	460	603.3	470	335	290	603.3
Total Cadmium	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Cadmium	UG/L	Maximum	0.055	0	0	0	0.048	0	0.039	0	0	0.052	0	0	0.055
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	0.055	0	0	0	0.048	0	0.039	0	0	0.052	0	0	0.055
Total Chromium	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Chromium	UG/L	Maximum	1.9	0	0	0	1.2	0	1.1	0	0	2.2	0	0	2.2
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	1.9	0	0	0	1.2	0	1.1	0	0	2.2	0	0	2.2
Total Copper	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Copper	UG/L	Maximum	110	0	0	0	120	0	87	0	0	76	0	0	120
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	110	0	0	0	120	0	87	0	0	76	0	0	120
Total Iron	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Iron	UG/L	Maximum	340	0	0	0	430	0	290	0	0	340	0	0	430
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	340	0	0	0	430	0	290	0	0	340	0	0	430
Total Mercury	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Mercury	UG/L	Maximum	<0.013	0	0	0	<0.013	0	<0.013	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	0.0065	0	0	0	0.0065	0	0.0065	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Nickel	UG/L	Maximum	6.6	0	0	0	2.4	0	2.9	0	0	3.4	0	0	6.6
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	6.6	0	0	0	2.4	0	2.9	0	0	3.4	0	0	6.6
Orthophosphate	MG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Orthophosphate	MG/L	Maximum	2.9	0	0	0	8.5	0	3.7	0	0	3.6	0	0	8.5
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	1	0	0	0	0	0	0	0	1
Orthophosphate	MG/L	Monthly Average	2.9	0	0	0	8.5	0	3.7	0	0	3.6	0	0	8.5
Total Lead	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Lead	UG/L	Maximum	0.52	0	0	0	<0.50	0	<0.50	0	0	<0.50	0	0	0.52
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	0.52	0	0	0	0.25	0	0.25	0	0	0.25	0	0	0.52
pH	PH UNITS	# of Samples	5	4	5	4	5	5	5	3	3	4	4	2	49
pH	PH UNITS	Maximum	6.87	6.7	6.61	6.79	6.57	6.72	6.75	6.59	6.7	6.72	6.76	6.62	6.87
pH	PH UNITS	Minimum	6.53	6.59	6.51	6.51	6.39	6.17	6.37	6.41	6.19	6.6	6.57	6.59	6.17
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	0	1	0	1	0	0	1	0	0	4
Phenolics	MG/L	Maximum	0.0095	0	0	0	0.0063	0	0.011	0	0	0.015	0	0	0.015
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.0095	0	0	0	0.0063	0	0.011	0	0	0.015	0	0	0.015

TABLE 25 CONTINUED: Country Ribbon Incorporated (White Hills Road) 2021 Post DAF Sampling

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Oil and Grease	MG/L	# of Samples	4	4	5	4	4	5	4	3	3	3	4	2	45
Total Oil and Grease	MG/L	Maximum	90	83	110	170	340	130	130	200	490	120	150	78	490
Total Oil and Grease	MG/L	Exceedance(>100)	0	0	1	2	3	1	1	2	2	2	2	0	16
Total Oil and Grease	MG/L	Monthly Average	73.25	69.5	79.8	112.25	170.5	90.8	96.25	127	220.3	101.3	94.75	77.5	220.3
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	3	3	3	4	2	45
Total Suspended Solids	MG/L	Maximum	360	310	360	340	980	310	240	570	720	310	300	280	980
Total Suspended Solids	MG/L	Exceedance(>350)	1	0	1	0	2	0	0	1	1	0	0	0	6
Total Suspended Solids	MG/L	Monthly Average	322.5	252.5	258	255	485	262	220	346.7	393.3	260	220	245	485
Total Zinc	UG/L	# of Samples	1	0	0	0	1	0	1	0	0	1	0	0	4
Total Zinc	UG/L	Maximum	150	0	0	0	76	0	110	0	0	450	0	0	450
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	150	0	0	0	76	0	110	0	0	450	0	0	450

TABLE 26: DJ Composites 2021 Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Boron	UG/L	Maximum	0	0	0	<500	0	0	0	<500	0	0	750	0	750
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	250	0	0	0	250	0	0	750	0	750
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	280	0	0	0	<55	0	0	<25	0	280
Carbonaceous Biochemical Oxygen Demand	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbonaceous Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	0	280	0	0	0	27.5	0	0	12.5	0	280
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	0.0053	0	0	0	0.03	0	0	0.049	0	0.049
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0.0053	0	0	0	0.03	0	0	0.049	0	0.049
Total Cadmium	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Cadmium	UG/L	Maximum	0	0	0	<0.10	0	0	0	<0.10	0	0	<0.10	0	<0.10
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	0.05	0	0	0	0.05	0	0	0.05	0	0.05
Total Chromium	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Chromium	UG/L	Maximum	0	0	0	<10	0	0	0	16	0	0	36	0	36
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	16	0	0	36	0	36
Total Hexavalent Chromium	MG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Hexavalent Chromium	MG/L	Maximum	0	0	0	<0.00099	0	0	0	<0.00099	0	0	<0.00099	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	0	0	0.0005	0	0	0	0.0005	0	0	0.0005	0	0.0005
Total Copper	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Copper	UG/L	Maximum	0	0	0	<5.0	0	0	0	<5.0	0	0	<5.0	0	<5.0
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	2.5	0	0	0	2.5	0	0	2.5	0	2.5
Total Iron	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Iron	UG/L	Maximum	0	0	0	<500	0	0	0	<500	0	0	<500	0	<500
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	0	250	0	0	0	250	0	0	250	0	250
Total Mercury	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Mercury	UG/L	Maximum	0	0	0	0.06	0	0	0	0.022	0	0	0.018	0	0.06
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	0.06	0	0	0	0.022	0	0	0.018	0	0.06
Total Nickel	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Nickel	UG/L	Maximum	0	0	0	<20	0	0	0	<20	0	0	<20	0	<20
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	10	0	0	0	10	0	0	10	0	10
Orthophosphate	MG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Orthophosphate	MG/L	Maximum	0	0	0	<0.10	0	0	0	0.36	0	0	0.35	0	0.36
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	0.05	0	0	0	0.36	0	0	0.35	0	0.36
Total Lead	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Lead	UG/L	Maximum	0	0	0	10	0	0	0	11	0	0	21	0	21
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	10	0	0	0	11	0	0	21	0	21

TABLE 26 CONTINUED: DJ Composites 2021 Effluent

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
pH	PH UNITS	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
pH	PH UNITS	Maximum	0	0	0	8.73	0	0	0	8.7	0	0	8.68	0	8.73
pH	PH UNITS	Minimum	0	0	0	8.73	0	0	0	8.7	0	0	8.68	0	8.68
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	0	0	1	0	0	1	0	3
Phenolics	MG/L	Maximum	0	0	0	0.0013	0	0	0	0.011	0	0	0.0031	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	0	0	0.0013	0	0	0	0.011	0	0	0.0031	0	0.011
Total Oil and Grease	MG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Oil and Grease	MG/L	Maximum	0	0	0	<0.50	0	0	0	<0.50	0	0	0.6	0	0.6
Total Oil and Grease	MG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	MG/L	Monthly Average	0	0	0	0.25	0	0	0	0.25	0	0	0.6	0	0.6
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0.094	0	0	0	<0.090	0	0	<0.090	0	0.094
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	0	0	0.094	0	0	0	0.045	0	0	0.045	0	0.094
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Suspended Solids	MG/L	Maximum	0	0	0	13	0	0	0	46	0	0	20	0	46
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	13	0	0	0	46	0	0	20	0	46
Total Zinc	UG/L	# of Samples	0	0	0	1	0	0	0	1	0	0	1	0	3
Total Zinc	UG/L	Maximum	0	0	0	140	0	0	0	110	0	0	99	0	140
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	140	0	0	0	110	0	0	99	0	140

TABLE 27: Department of Industry, Energy and Technology (Buchans) 2021 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	0	0	0	0	1	1	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<1.0	<1.0	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	0	0	0.5	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	29	26	0	29
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	0	0	0	29	26	0	29
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<50	<50	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	0	0	0	25	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	39	35	0	39
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	0	0	39	35	0	39
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<1.0	<1.0	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	0	0	0.5	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	110	100	0	110
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	0	0	0	110	100	0	110
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	77	63	0	77
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	0	0	0	77	63	0	77
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.013	<0.013	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	0	0	0.0065	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	4.3	4.3	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	0	0	0	0	4.3	4.3	0	4.3
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	<0.050	0	<0.050
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0.025	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.66	0.84	0	0.84
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.66	0.84	0	0.84
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	1.8	1.9	0	1.9
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	0	0	0	0	0	0	1.8	1.9	0	1.9

TABLE 27 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2021 PH1& PH2 Combined

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	0	0	0	0	0	1	1	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	6.59	6.38	0	6.59
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	6.59	6.38	0	6.38
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	0	0	0	1	1	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.50	<0.50	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	0	0	0.25	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	230	230	0	230
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	0	230	230	0	230
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<1.0	1.6	0	1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.5	1.6	0	1.6
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	15000	15000	0	15000
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	15000	15000	0	15000

TABLE 28: Department of Industry, Energy and Technology (Buchans) 2021 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	0	0	0	0	1	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	6	0	0	6
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	0	0	6	0	0	6
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	1800	0	0	1800
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	0	0	0	1800	0	0	1800
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	UG/L	Maximum	0	0	0	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	0	0	0	0	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	3.2	0	0	3.2
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	0	0	3.2	0	0	3.2
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	3.3	0	0	3.3
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	0	0	0	0	0	0	3.3	0	0	3.3
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	37	0	0	37
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	0	0	0	37	0	0	37

TABLE 28 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2021 Site 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	0	0	0	0	0	0	1	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	1100	0	0	1100
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	0	0	0	1100	0	0	1100
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0.03	0	0	0.03
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	0.03	0	0	0.03
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	2.2	0	0	2.2
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	0	0	0	0	2.2	0	0	2.2
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	0	0	<0.050
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	0	0	<0.050
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	330	0	0	330
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	330	0	0	330
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	7.69	0	0	7.69
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	7.69	0	0	7.69
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	0	0	0	1	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.25	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	120	0	0	120
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	0	120	0	0	120
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	54	0	0	54
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	54	0	0	54
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	1000	0	0	1000
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	1000	0	0	1000

TABLE 29: Department of Industry, Energy and Technology (Buchans) 2021 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	0	0	0	0	1	1	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<1.0	<1.0	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	0	0	0.5	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	50	82	0	82
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	0	0	0	50	82	0	82
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<50	<50	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	0	0	0	25	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	90	59	0	90
Total Cadmium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Cadmium	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	90	59	0	90
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<1.0	<1.0	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	0	0	0.5	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	800	640	0	800
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	800	640	0	800
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	330	410	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	0	0	0	0	0	0	330	410	0	410
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.013	<0.013	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	0	0	0.0065	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	10	8.8	0	10
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	0	0	0	10	8.8	0	10
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	0.062	0	0.062
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0.062	0	0.062
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.052	0.36	0	0.36
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.052	0.36	0	0.36
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	530	380	0	530
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	530	380	0	530

TABLE 29 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2021 Site 12

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	0	0	0	0	0	1	1	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	6.76	6.41	0	6.76
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	6.76	6.41	0	6.41
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	0	0	0	0	1	1	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.50	<0.50	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	0	0	0.25	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	290	210	0	290
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	0	290	210	0	290
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	10	8	0	10
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	10	8	0	10
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	26000	17000	0	26000
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	26000	17000	0	26000

TABLE 30: Department of Industry, Energy and Technology (Buchans) 2021 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	0	0	0	0	1	1	0	2
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<1.0	<1.0	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	0	0	0.5	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	17	19	0	19
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	0	0	0	17	19	0	19
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<50	<50	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	0	0	0	25	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0.43	0.69	0	0.69
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	0	0	0.43	0.69	0	0.69
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<1.0	<1.0	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	0	0	0.5	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	2.1	2	0	2.1
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	0	0	0	2.1	2	0	2.1

TABLE 30 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2021 Site 17

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	0	0	0	0	0	0	1	1	0	2
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	130	190	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	0	0	0	0	130	190	0	190
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.013	<0.013	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	0	0	0.0065	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<2.0	<2.0	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	0	0	0	1	1	0	1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	0.05	0	0.05
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0.05	0	0.05
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	<0.050	0	<0.050
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0.025	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0.56	<0.50	0	0.56
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	0	0	0.56	0.25	0	0.56
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	8.22	8.02	0	8.22
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	8.22	8.02	0	8.02
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	0	0	0	1	1	0	2
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.50	<0.50	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	0	0	0.25	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	580	600	0	600
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	0	580	600	0	600
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<1.0	1.6	0	1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.5	1.6	0	1.6
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	1200	3100	0	3100
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	1200	3100	0	3100

TABLE 31: Department of Industry, Energy and Technology (Buchans) 2021 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	0	0	0	0	1	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	5.8	0	0	5.8
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	0	0	5.8	0	0	5.8
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	1400	0	0	1400
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	0	0	0	1400	0	0	1400
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	UG/L	Maximum	0	0	0	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	0	0	0	0	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	2.7	0	0	2.7
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	0	0	2.7	0	0	2.7
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	3.7	0	0	3.7
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	0	0	0	0	0	0	0	0	0	3.7	0	0	3.7
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	51	0	0	51
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	0	0	0	51	0	0	51
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	4800	0	0	4800
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	0	0	0	4800	0	0	4800
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0.087	0	0	0.087
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	0.087	0	0	0.087
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0	2	0	0	2
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	0	0	<0.050
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	0	0	<0.050
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	340	0	0	340
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	340	0	0	340

TABLE 31 CONTINUED: Department of Industry, Energy and Technology (Buchans) 2021 Site 2

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	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	7.19	0	0	7.19
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	7.19	0	0	7.19
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	0	0	0	1	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.25	0	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	39	0	0	39
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	0	39	0	0	39
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	510	0	0	510
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	510	0	0	510
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	810	0	0	810
Total Zinc	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	810	0	0	810

TABLE 32: Department of Industry, Energy and Technology (Gullbridge) 2021 Below Berm

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	0	0	0	1	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	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	0	0	0	0.5	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	28	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	0	0	0	28	0	0	28
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	UG/L	Maximum	0	0	0	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	0	0	0	0	0	0	0	25	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	1.7	0	0	1.7
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	0	0	1.7	0	0	1.7
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	2.2	0	0	2.2
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	0	0	0	0	0	2.2	0	0	2.2
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	3400	0	0	3400
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	3400	0	0	3400
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	4500	0	0	4500
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	0	0	0	4500	0	0	4500
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	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	0	0	0	0	0	0	0.0065	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	400	0	0	400
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	0	0	0	400	0	0	400
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.061	0	0	0.061
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.061	0	0	0.061
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.050	0	0	<0.050
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.025	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	UG/L	Maximum	0	0	0	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	0	0	0	0	0	0	0.25	0	0	0.25

TABLE 32 CONTINUED: Department of Industry, Energy and Technology (Gullbridge) 2021 Below Berm

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	0	0	0	0	0	1	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	4.32	0	0	4.32
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	4.32	0	0	4.32
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0.51	0	0	0.51
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	0	0	0.51	0	0	0.51
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	410	0	0	410
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	0	410	0	0	410
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	2.6	0	0	2.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	2.6	0	0	2.6
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	310	0	0	310
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	0	0	0	310	0	0	310

TABLE 33: Department of Industry, Energy and Technology (Hope Brook) 2021 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	0	0	0	0	1	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	24	0	24
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	0	0	0	0	24	0	24
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<50	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	0	0	0	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.32	0	0.32
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	0	0	0	0.32	0	0.32
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	110	0	110
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	0	0	0	0	110	0	110
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	100	0	100
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	0	0	0	0	100	0	100
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.013	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	0	0	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	3.4	0	3.4
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	0	0	0	0	0	3.4	0	3.4
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.050	0	<0.050
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.025	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.61	0	0.61
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.61	0	0.61
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.62	0	0.62
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	0	0	0	0.62	0	0.62

TABLE 33 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2021 BHB#6

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	0	0	0	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	6.73	0	6.73
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	6.73	0	6.73
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	0	0	0	0	1	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	93	0	93
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	0	0	93	0	93
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	1.8	0	1.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	1.8	0	1.8
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	46	0	46
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	0	0	0	0	46	0	46

TABLE 34: Department of Industry, Energy and Technology (Hope Brook) 2021 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	0	0	0	0	1	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	14	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	0	0	0	0	14	0	14
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<50	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	0	0	0	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.06	0	0.06
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	0	0	0	0.06	0	0.06
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	23	0	23
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	0	0	0	0	23	0	23

TABLE 34 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2021 Banana 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	0	0	0	0	0	0	0	1	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	150	0	150
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	0	0	0	0	150	0	150
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.013	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	0	0	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<2.0	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	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.050	0	<0.050
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.025	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.33	0	0.33
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.33	0	0.33
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	7.18	0	7.18
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	7.18	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	0	0	0	0	1	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	83	0	83
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	0	0	83	0	83
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	1.8	0	1.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	1.8	0	1.8
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	8.5	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	0	0	0	0	8.5	0	8.5

TABLE 35: Department of Industry, Energy and Technology (Hope Brook) 2021 Catch Basin

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	0	0	0	0	1	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	11	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	0	0	0	0	11	0	11
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<50	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	0	0	0	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.024	0	0.024
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	0	0	0	0.024	0	0.024
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	6.4	0	6.4
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	0	0	0	0	6.4	0	6.4
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	260	0	260
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	0	0	0	0	260	0	260
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.013	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	0	0	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<2.0	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	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.050	0	<0.050
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.025	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.05	0	0.05
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.05	0	0.05
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25

TABLE 35 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2021 Catch Basin

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	0	0	0	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	7.38	0	7.38
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	7.38	0	7.38
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	0	0	0	0	1	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	300	0	300
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	0	0	300	0	300
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	0	<1.0
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.5	0	0.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<5.0	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	0	0	0	0	0	0	0	2.5	0	2.5

TABLE 36: Department of Industry, Energy and Technology (Hope Brook) 2021 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	0	0	0	0	1	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	7.7	0	7.7
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	0	0	0	0	7.7	0	7.7
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<50	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	0	0	0	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.015	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	0	0	0	0	0	0	0	0.015	0	0.015
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	5.8	0	5.8
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	0	0	0	0	0	0	5.8	0	5.8

TABLE 36 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2021 Inlet to BHB

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	0	0	0	0	0	0	0	1	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	230	0	230
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	0	0	0	0	230	0	230
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.013	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	0	0	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<2.0	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	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.050	0	<0.050
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.025	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.25	0	0.25
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.25	0	0.25
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	7.17	0	7.17
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	7.17	0	7.17
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	0	0	0	0	1	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	38	0	38
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	0	0	38	0	38
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<5.0	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	0	0	0	0	0	0	0	2.5	0	2.5

TABLE 37: Department of Industry, Energy and Technology (Hope Brook) 2021 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	0	0	0	0	1	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	11	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	0	0	0	0	11	0	11
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<50	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	0	0	0	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.037	0	0.037
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	0	0	0	0.037	0	0.037
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	2.9	0	2.9
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	0	0	0	0	2.9	0	2.9
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	1100	0	1100
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	0	0	0	0	1100	0	1100
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.013	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	0	0	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	3.5	0	3.5
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	0	0	0	0	0	0	0	0	0	0	3.5	0	3.5
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.055	0	0.055
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.055	0	0.055
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.085	0	0.085
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.085	0	0.085
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	1.9	0	1.9
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	0	0	0	0	0	0	0	1.9	0	1.9

TABLE 37 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2021 Open Pit Spillway

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	0	0	0	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	7.67	0	7.67
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	7.67	0	7.67
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	0	0	0	0	0	1	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.66	0	0.66
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	0	0	0	0.66	0	0.66
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	570	0	570
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	0	0	570	0	570
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	3	0	3
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	3	0	3
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<5.0	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	0	0	0	0	0	0	0	2.5	0	2.5

TABLE 38: Department of Industry, Energy and Technology (Hope Brook) 2021 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	0	0	0	0	1	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	28	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	0	0	0	0	28	0	28
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<50	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	0	0	0	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.012	0	0.012
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	0	0	0	0.012	0	0.012
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	9.1	0	9.1
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	0	0	0	0	9.1	0	9.1

TABLE 38 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2021 Pine 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	0	0	0	0	0	0	0	1	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	330	0	330
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	0	0	0	0	330	0	330
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.013	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	0	0	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<2.0	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	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.051	0	0.051
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.051	0	0.051
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.050	0	<0.050
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.025	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
pH	PH UNITS	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	6.9	0	6.9
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	6.9	0	6.9
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	0	0	0	0	1	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	31	0	31
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	0	0	31	0	31
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	4.4	0	4.4
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	4.4	0	4.4
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<5.0	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	0	0	0	0	0	0	0	2.5	0	2.5

TABLE 39: Department of Industry, Energy and Technology (Hope Brook) 2021 Polish 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	0	0	0	0	1	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	28	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	0	0	0	0	28	0	28
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<50	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	0	0	0	0	25	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.031	0	0.031
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	0	0	0	0.031	0	0.031
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<1.0	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	0	0	0	0.5	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	15	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	0	0	0	0	15	0	15
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	210	0	210
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	0	0	0	0	210	0	210
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.013	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	0	0	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<2.0	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	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.085	0	0.085
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.085	0	0.085
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0.11	0	0.11
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0.11	0	0.11
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25

TABLE 39 CONTINUED: Department of Industry, Energy and Technology (Hope Brook) 2021 Polish Pond

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	0	0	0	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	0	0	0	0	0	6.71	0	6.71
pH	PH UNITS	Minimum	0	0	0	0	0	0	0	0	0	0	6.71	0	6.71
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	0	0	0	0	1	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	<0.50	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	0	0	0	0.25	0	0.25
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	44	0	44
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	0	0	44	0	44
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	6.3	0	6.3
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	0	0	0	0	6.3	0	6.3

Table 40: Department of Industry, Energy and Technology (Whalesback) 2021 Tunnel Exit

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	0	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	<1.0	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	0.5	0	0	0	0	0	0	0.5
Total Barium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	7.5	0	0	0	0	0	0	7.5
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	7.5	0	0	0	0	0	0	7.5
Total Boron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	<50	0	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	25	0	0	0	0	0	0	25
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	1.2	0	0	0	0	0	0	1.2
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	1.2	0	0	0	0	0	0	1.2
Total Chromium	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	<1.0	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	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	400	0	0	0	0	0	0	400
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Monthly Average	0	0	0	0	0	400	0	0	0	0	0	0	400
Total Iron	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	130	0	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	130	0	0	0	0	0	0	130
Total Mercury	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	<0.013	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
Total Mercury	UG/L	Monthly Average	0	0	0	0	0	0.0065	0	0	0	0	0	0	0.0065
Total Nickel	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	9.8	0	0	0	0	0	0	9.8
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	0	0	0	0	0	9.8	0	0	0	0	0	0	9.8
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0	0	0	<0.050	0	0	0	0	0	0	<0.050
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0	0	0	0.025	0	0	0	0	0	0	0.025
Total Lead	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	<0.50	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	0.25	0	0	0	0	0	0	0.25

Table 40 CONTINUED: Department of Industry, Energy and Technology (Whalesback) 2021 Tunnel Exit

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	0	1	0	0	0	0	0	0	1
pH	PH UNITS	Maximum	0	0	0	0	0	6.93	0	0	0	0	0	0	6.93
pH	PH UNITS	Minimum	0	0	0	0	0	6.93	0	0	0	0	0	0	6.93
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	0	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0.71	0	0	0	0	0	0	0.71
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	0.71	0	0	0	0	0	0	0.71
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	180	0	0	0	0	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	0	0	180	0	0	0	0	0	0	180
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	<1.0	0	0	0	0	0	0	<1.0
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	260	0	0	0	0	0	0	260
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	260	0	0	0	0	0	0	260

TABLE 41: Department of Transportation and Infrastructure (Grand Falls) 2021 North Sewer

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	0	0	0	0	0	0	1	1
Total Silver	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<6	<6
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	0	0	0	0	0	3	3
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	7.2	7.2
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	0	0	0	0	0	0	7.2	7.2
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<60	<60
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	0	0	0	0	0	30	30
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	149	149
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	0	0	0	0	0	149	149
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<2	<2
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	0	0	0	0	1	1
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	15.2	15.2
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	0	0	0	0	0	0	0	15.2	15.2
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	72.3	72.3
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	0	0	0	0	0	0	72.3	72.3
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	15600	15600
Total Iron	UG/L	Exceedance(>10000)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Iron	UG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	15600	15600
Total Mercury	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Mercury	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<2	<2
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	0	0	1	1
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	12.1	12.1
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	0	0	0	0	0	12.1	12.1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.08	0.08
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	0.08	0.08
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.83	0.83
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	0	0	0	0.83	0.83

TABLE 41 CONTINUED: Department of Transportation and Infrastructure (Grand Falls) 2021 North Sewer

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<0.03	<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	0	0	0	0.015	0.015
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	5.4	5.4
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	0	0	0	0	5.4	5.4
pH	PH UNITS	# of Samples	1	0	0	0	0	0	0	0	1	0	0	1	3
pH	PH UNITS	Maximum	7.52	0	0	0	0	0	0	0	7.79	0	0	6.72	7.79
pH	PH UNITS	Minimum	7.52	0	0	0	0	0	0	0	7.79	0	0	6.72	6.72
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	0	0	0	1	1
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	0	0	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	0	0	0.001	0.001
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<8	<8
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	0	0	0	0	4	4
Sulphide	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Sulphide	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	0.019	0.019
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	0	0	0.019	0.019
TDS Measured	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
TDS Measured	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	537	537
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	0	0	0	0	0	0	537	537
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	0	0	0	0	0	0	1	0	0	1	3
TPH (Atlantic PIRI)	MG/L	Maximum	0.72	0	0	0	0	0	0	0	<0.090	0	0	0.2	0.72
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	0.72	0	0	0	0	0	0	0	0.045	0	0	0.2	0.72
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	52	52
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	52	52
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	120	120
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	0	0	0	0	0	120	120

TABLE 42: GFL Environmental Services Inc. 2021 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	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Boron	UG/L	Maximum	<50	<50	280	490	82	280	690	350	320	67	230	190	690
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	25	123.7	286.5	73.5	236.7	357.5	253.3	276.7	67	200	107.5	357.5
Cyanide, Total	MG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Cyanide, Total	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, Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Total	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	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Cadmium	UG/L	Maximum	0.072	0.045	0.12	0.12	0.05	0.062	0.062	<0.10	0.067	0.087	0.08	0.046	0.12
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	0.048	0.045	0.088	0.106	0.035	0.044	0.042	0.039	0.044	0.087	0.072	0.043	0.106
Total Chromium	UG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Chromium	UG/L	Maximum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	1.5	<1.0	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.5	0.5	1	0.5	1
Total Copper	UG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Copper	UG/L	Maximum	4.8	3.1	5.1	8.2	4.9	8.1	47	11	4.4	1.1	3.2	3.9	47
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	3.7	3.1	3.47	5.25	3.75	5.37	28.3	6.87	3.73	1.1	2.85	2.9	28.3
Total Iron	UG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Iron	UG/L	Maximum	840	420	800	1400	1200	1000	2400	1900	630	420	460	320	2400
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	620	420	630	775	880	893	1350	883	570	420	420	320	1350
Total Mercury	UG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Mercury	UG/L	Maximum	0.037	0.058	0.023	0.017	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.058
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	0.0303	0.058	0.0158	0.0118	0.0065	0.006	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.058
Total Nickel	UG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Nickel	UG/L	Maximum	4.3	2.8	5.5	10	3.9	7.4	16	9.4	12	2.8	4.6	3.7	16
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	3.225	2.8	4.57	5.5	3.3	5.93	10.6	7.13	7.73	2.8	3.85	2.35	10.6
Total Lead	UG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Lead	UG/L	Maximum	1.3	1.3	6.7	1.5	1.2	1.6	6.7	4.5	0.53	<0.50	<0.50	<0.50	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	1.06	1.3	2.86	1.4	0.88	0.94	5	1.67	0.34	0.25	0.25	0.25	5
pH	PH UNITS	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
pH	PH UNITS	Maximum	7.23	6.94	7.13	7.05	7.72	7.59	8.09	7.88	7.76	7.67	7.33	7.44	8.09
pH	PH UNITS	Minimum	6.64	6.94	6.95	6.87	7.38	7.5	7.12	7.6	7.48	7.67	7.28	7.31	6.64
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	4	1	3	2	2	3	2	3	3	1	2	2	28
Phenolics	MG/L	Maximum	0.072	0.0035	0.0065	0.037	0.0068	0.014	0.0024	0.0066	0.02	<0.0010	0.016	0.012	0.072
Phenolics	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	MG/L	Monthly Average	0.034	0.0035	0.0048	0.0193	0.0059	0.012	0.0015	0.0059	0.0112	0.0005	0.0145	0.011	0.034
Total Phosphates as P2O5	MG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Phosphates as P2O5	MG/L	Maximum	0.12	0.075	0.083	9.5	1.9	5.3	0.3	6	7.8	0.15	6.2	4.7	9.5
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	0.095	0.075	0.073	4.763	1.55	3.53	0.175	4.77	5.37	0.15	4.5	4.15	5.37

TABLE 42 CONTINUED: GFL Environmental Services Inc. 2021 Waste Water Discharge

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TPH (Atlantic PIRI)	MG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
TPH (Atlantic PIRI)	MG/L	Maximum	2.1	0.58	4	1.1	0.63	0.62	1.3	0.32	0.29	0.19	0.26	0.6	4
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	1.14	0.58	2.13	1.1	0.5	0.49	0.74	0.24	0.25	0.19	0.15	0.32	2.13
Total Suspended Solids	MG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Suspended Solids	MG/L	Maximum	2.4	4.8	4	4	3.2	2.1	13	5.2	3.2	<1.3	2.6	1	13
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.9	4.8	3.5	2.9	2.2	1.7	7.5	2.8	2.4	0.7	1.9	1	7.5
Total Zinc	UG/L	# of Samples	4	1	3	2	2	3	2	3	3	1	2	2	28
Total Zinc	UG/L	Maximum	80	32	75	430	72	190	69	220	290	75	270	180	430
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	41	32	50.3	229.5	71	186.7	54.5	155.3	230	75	225	126.5	230

TABLE 43: Husky Oil Operations-Atlantic (Argentina) 2021 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	1	2	0	1	1	1	12
Total Silver	UG/L	Maximum	<0.10	<0.10	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	0	<1.0	<1.0	<1.0	<1.0
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	0.05	0.05	0.05	0.5	0.5	0.5	0.5	0.5	0	0.5	0.5	0.5	0.5
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Arsenic	UG/L	Maximum	<1.0	<1.0	<1.0	<10	<10	<10	<10	<10	0	<10	<10	<10	<10
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	0.5	0.5	0.5	5	5	5	5	5	0	5	5	5	5
Total Barium	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Barium	UG/L	Maximum	50	51	51	50	49	52	52	53	0	52	54	50	54
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	51	51	50	49	52	52	52.5	0	52	54	50	54
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Boron	UG/L	Maximum	4100	3600	3500	3500	3500	3400	3800	3900	0	3400	3800	3700	4100
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	4100	3600	3500	3500	3500	3400	3800	3750	0	3400	3800	3700	4100
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Cadmium	UG/L	Maximum	0.71	0.74	0.7	0.73	0.61	0.67	0.84	0.81	0	0.71	0.84	0.8	0.84
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	0.71	0.74	0.7	0.73	0.61	0.67	0.84	0.765	0	0.71	0.84	0.8	0.84
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Chromium	UG/L	Maximum	<1.0	<1.0	<1.0	<10	<10	<10	<10	<10	0	<10	<10	<10	<10
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	5	5	5	5	5	0	5	5	5	5
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Copper	UG/L	Maximum	5.4	5.5	8.5	6.2	5.2	5.5	5	7.2	0	<5.0	5.7	5.6	8.5
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	5.5	8.5	6.2	5.2	5.5	5	6.65	0	2.5	5.7	5.6	8.5
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Iron	UG/L	Maximum	<50	<50	<50	<500	<500	<500	<500	<500	0	<500	<500	<500	<500
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	25	25	25	250	250	250	250	250	0	250	250	250	250
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Mercury	UG/L	Maximum	<0.013	<0.013	<0.013	0.013	<0.013	<0.013	<0.013	0.015	0	<0.013	<0.013	0.018	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	0.0065	0.0065	0.0065	0.013	0.0065	0.0065	0.0065	0.0108	0	0.0065	0.0065	0.018	0.018
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Nickel	UG/L	Maximum	<2.0	<2.0	<2.0	<20	<20	<20	<20	<20	0	<20	<20	<20	<20
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	1	1	10	10	10	10	10	0	10	10	10	10
Ammonium + Ammonia Total	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Ammonium + Ammonia Total	MG/L	Maximum	3.7	3.7	3.7	3.6	3.6	4	4	3.6	0	3.8	3.6	3.6	4
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	1	1	1	1	1	1	1	2	0	1	1	1	12
Ammonium + Ammonia Total	MG/L	Monthly Average	3.7	3.7	3.7	3.6	3.6	4	4	3.55	0	3.8	3.6	3.6	4
Nitrate, filtered, reactive	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Nitrate, filtered, reactive	MG/L	Maximum	0.26	0.24	0.18	0.18	0.14	0.18	0.16	0.19	0	0.19	0.21	0.21	0.26
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0.26	0.24	0.18	0.18	0.14	0.18	0.16	0.18	0	0.19	0.21	0.21	0.26

TABLE 43 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2021 Settlement Pond #1 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Orthophosphate	MG/L	Maximum	<0.010	0.063	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0	<0.010	<0.010	<0.010	0.063
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	0.063	0.005	0.005	0.005	0.005	0.005	0.005	0	0.005	0.005	0.005	0.063
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	0	<5.0	<5.0	<5.0	<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	0.25	0.25	0.25	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.5	2.5
pH	PH UNITS	# of Samples	4	4	5	4	4	5	3	4	4	4	5	4	50
pH	PH UNITS	Maximum	7.67	7.65	7.65	7.79	7.75	7.74	7.75	7.65	7.77	7.94	7.68	7.68	7.94
pH	PH UNITS	Minimum	7.53	7.48	7.62	7.67	7.65	7.65	7.62	7.43	7.61	7.68	7.6	7.64	7.43
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	2	0	1	1	1	12
Phenolics	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0018	<0.0020	0	0.0015	<0.0010	0.0069	0.0069
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	0.0018	0.00075	0	0.0015	0.0005	0.0069	0.0069
Radium-226	BQ/L	# of Samples	1	1	0	1	1	1	1	2	0	1	1	1	11
Radium-226	BQ/L	Maximum	<0.010	<0.010	0	<0.010	<0.010	<0.010	<0.010	<0.010	0	0.016	<0.010	<0.010	0.016
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	0.005	0.005	0.005	0.005	0.005	0	0.016	0.005	0.005	0.016
Total Selenium	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Selenium	UG/L	Maximum	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	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	0.25	0.25	0.25	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.5	2.5
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	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	<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	1	2	0	1	1	1	12
Calculated TDS	MG/L	Maximum	2000	0	0	2000	2000	13000	2000	1000	0	0	0	0	13000
Calculated TDS	MG/L	Exceedance(>1000)	1	0	0	1	1	1	1	0	0	0	0	0	5
Calculated TDS	MG/L	Monthly Average	2000	0	0	2000	2000	13000	2000	500	0	0	0	0	13000
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	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	0.12	<0.090	<0.090	0.12
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	0.12	0.045	0.045	0.12
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	3	4	4	4	5	4	50
Total Suspended Solids	MG/L	Maximum	12	6.6	5.6	5.6	10	8.8	5	7.2	9.2	8.8	38	5.8	38
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Monthly Average	5.6	4.05	3.56	3.4	5.2	4.4	3.0	4.95	3.9	5.15	10.76	4.75	10.76
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<50	<50	<50	<50	<50	0	<50	<50	<50	<50
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	2.5	2.5	2.5	25	25	25	25	25	0	25	25	25	25

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

TABLE 44: Husky Oil Operations-Atlantic (Argentina) 2021 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	1	2	0	1	1	1	12
Total Silver	UG/L	Maximum	<0.10	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0	<1.0	<1.0	<1.0	<1.0
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	0.05	0.05	0.5	0.5	0.5	0.5	0.5	0.5	0	0.5	0.5	0.5	0.5
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Arsenic	UG/L	Maximum	<1.0	<1.0	<10	<10	<10	<10	<10	<10	0	<10	<10	<10	<10
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	0.5	0.5	5	5	5	5	5	5	0	5	5	5	5
Total Barium	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Barium	UG/L	Maximum	99	93	94	93	100	97	97	110	0	100	120	100	120
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	99	93	94	93	100	97	97	103	0	100	120	100	120
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Boron	UG/L	Maximum	2500	2200	2200	2200	2400	2100	2200	2400	0	2100	2400	2300	2500
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	2200	2200	2200	2400	2100	2200	2300	0	2100	2400	2300	2500
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Cadmium	UG/L	Maximum	1.1	1.1	0.95	1.1	1	1	0.98	1.1	0	1.1	1.2	1.1	1.2
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	0.95	1.1	1	1	0.98	1.05	0	1.1	1.2	1.1	1.2
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Chromium	UG/L	Maximum	<1.0	<1.0	<10	<10	<10	<10	<10	<10	0	<10	<10	<10	<10
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	5	5	5	5	5	5	0	5	5	5	5
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Copper	UG/L	Maximum	<0.50	<0.50	<5.0	5.1	5.9	<5.0	<5.0	7.8	0	<5.0	<5.0	6.5	7.8
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	0.25	0.25	2.5	5.1	5.9	2.5	2.5	5.15	0	2.5	2.5	6.5	6.5
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Iron	UG/L	Maximum	<50	<50	<500	<500	<500	<500	<500	<500	0	<500	<500	<500	<500
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	25	25	250	250	250	250	250	250	0	250	250	250	250
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Mercury	UG/L	Maximum	<0.013	<0.013	<0.013	0.013	0.017	<0.013	<0.013	0.017	0	<0.013	<0.013	<0.013	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	0.0065	0.0065	0.0065	0.013	0.017	0.0065	0.0065	0.01175	0	0.0065	0.0065	0.0065	0.017
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Nickel	UG/L	Maximum	<2.0	<2.0	<20	<20	<20	<20	<20	<20	0	<20	<20	<20	<20
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	1	10	10	10	10	10	10	0	10	10	10	10
Ammonium + Ammonia Total	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Ammonium + Ammonia Total	MG/L	Maximum	5.8	5.4	5.7	5.5	5.6	5.8	5.7	5.8	0	6.3	6.2	6	6.3
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	1	1	1	1	1	1	1	2	0	1	1	1	12
Ammonium + Ammonia Total	MG/L	Monthly Average	5.8	5.4	5.7	5.5	5.6	5.8	5.7	5.75	0	6.3	6.2	6	6.3
Nitrate, filtered, reactive	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Nitrate, filtered, reactive	MG/L	Maximum	0.2	0.24	0.18	0.16	0.18	0.17	0.21	0.21	0	0.15	0.14	0.34	0.34
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0.2	0.24	0.18	0.16	0.18	0.17	0.21	0.195	0	0.15	0.14	0.34	0.34

TABLE 44 CONTINUED: Husky Oil Operations-Atlantic (Argentina) 2021 Settlement Pond #2 Weir

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	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	<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	0.005	0.005	0	0.005	0.005	0.005	0.005
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Lead	UG/L	Maximum	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0	<5.0	<5.0	<5.0	<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	0.25	0.25	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.5	2.5
pH	PH UNITS	# of Samples	4	4	5	4	4	5	3	4	4	4	5	4	50
pH	PH UNITS	Maximum	7.8	7.66	7.65	7.82	7.9	7.74	7.92	7.55	7.87	8.03	7.71	7.71	8.03
pH	PH UNITS	Minimum	7.47	7.59	7.51	7.65	7.58	7.58	7.55	7.43	7.61	7.64	7.55	7.6	7.43
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	2	0	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	<0.0010	0.0011	0.0052	0.0052
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	0.0005	0.0011	0.0052	0.0052
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
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	1	2	0	1	1	1	12
Total Selenium	UG/L	Maximum	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	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	0.25	0.25	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.5	2.5
Sulphide	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Sulphide	MG/L	Maximum	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.062	<0.020	0	<0.020	<0.020	<0.020	0.062
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	0.062	0.01	0	0.01	0.01	0.01	0.062
Calculated TDS	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Calculated TDS	MG/L	Maximum	3000	3000	4000	3000	4000	0	4000	5000	0	4000	3000	2000	5000
Calculated TDS	MG/L	Exceedance(>1000)	1	1	1	1	1	0	1	2	0	1	1	1	11
Calculated TDS	MG/L	Monthly Average	3000	3000	4000	3000	4000	0	4000	4500	0	4000	3000	2000	4500
TPH (Atlantic PIRI)	MG/L	# of Samples	1	1	1	1	1	1	1	2	0	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	<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	0.045	0.045	0.045	0.045
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	3	4	4	4	5	4	50
Total Suspended Solids	MG/L	Maximum	3.6	4.8	3.6	3.8	3.8	6	3.6	9.2	12	8	6.2	13	13
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.45	2.8	2.25	2.05	1.975	3.32	2.2	3.475	6.15	4.1	3.6	6.325	6.325
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	2	0	1	1	1	12
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0	<5.0	<5.0	<5.0	<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	2.5	2.5	25	25	25	25	25	25	0	25	25	25	25

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

TABLE 45: Iron Ore Company of Canada (Labrador City) 2021 FDP-HC – January – May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	4	4	5	21
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	0.0015	0.0015
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0008	0.0008
Total Copper	MG/L	# of Samples	4	4	4	4	5	21
Total Copper	MG/L	Maximum	0.0014	0.0011	0.0045	0.0021	0.0042	0.0045
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00090	0.00068	0.00206	0.00134	0.00338	0.00338
Total Nickel	MG/L	# of Samples	4	4	4	4	5	21
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	4	4	5	21
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	0.0011	0.0011
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00042	0.00042
pH	PH UNITS	# of Samples	4	4	4	4	5	21
pH	PH UNITS	Maximum	8.05	7.97	8.08	8.31	8.15	8.31
pH	PH UNITS	Minimum	7.66	7.77	7.97	7.88	7.94	7.66
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	4	4	5	21
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	4	4	5	21
Total Suspended Solids	MG/L	Maximum	3	1.9	2.6	6.5	3.4	6.5
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.8	1.2	1.8	3.5	2.5	3.5
Total Zinc	MG/L	# of Samples	4	4	4	4	5	21
Total Zinc	MG/L	Maximum	<0.0050	0.0064	0.0082	0.012	<0.0050	0.012
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0035	0.0039	0.0057	0.0025	0.0057

TABLE 46: Iron Ore Company of Canada (Labrador City) 2021 FDP-HC – June – December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	5	3	29
Total Arsenic	MG/L	Maximum	0.0016	0.0013	<0.0010	0.0023	<0.0010	<0.0010	<0.0010	0.0023
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00095	0.00088	0.00050	0.00115	0.00050	0.00050	0.00050	0.00115
Total Copper	MG/L	# of Samples	4	4	5	4	4	5	3	29
Total Copper	MG/L	Maximum	0.0039	0.003	0.0013	0.0031	0.0013	0.0026	0.0015	0.0039
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00225	0.00148	0.00098	0.00144	0.00080	0.00123	0.00078	0.00225
Un-ionized Ammonia	MG/L	# of Samples	4	4	5	4	4	5	3	29
Un-ionized Ammonia	MG/L	Maximum	0.08	0.045	0.024	0.095	0.023	0.029	0.013	0.095
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.069	0.030	0.014	0.034	0.012	0.018	0.006	0.069
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	3	29
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.002	<0.0020	0.002
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.0012	0.001	0.0012
Total Lead	MG/L	# of Samples	4	4	5	4	4	5	3	29
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	4	4	5	4	4	5	3	29
pH	PH UNITS	Maximum	8.12	8.39	8.22	8.1	8.07	8.09	8.06	8.39
pH	PH UNITS	Minimum	8.05	8.05	7.79	8.07	7.95	7.82	7.97	7.79
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	4	5	3	29
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	3	29
Total Suspended Solids	MG/L	Maximum	3.2	2.7	1.8	1.8	3.8	1.7	5.8	5.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.7	1.9	1.1	1.3	2.2	0.9	2.5	2.5
Total Zinc	MG/L	# of Samples	4	4	5	4	4	5	3	29
Total Zinc	MG/L	Maximum	0.0075	<0.0050	0.0083	<0.0050	<0.0050	<0.0050	0.011	0.011
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0038	0.0025	0.0037	0.0025	0.0025	0.0025	0.0062	0.0062

TABLE 47: Iron Ore Company of Canada (Labrador City) 2021 FDP-JN - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	21
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	5	4	4	21
Total Copper	MG/L	Maximum	0.00079	0.00063	0.00088	0.00098	0.0049	0.0049
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00058	0.00044	0.00038	0.00043	0.00141	0.00141
Total Nickel	MG/L	# of Samples	4	4	5	4	4	21
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	5	4	4	21
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	4	4	5	4	4	21
pH	PH UNITS	Maximum	8.22	7.84	7.9	8.26	7.82	8.26
pH	PH UNITS	Minimum	7.64	7.6	7.66	7.61	7.63	7.6
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	4	21
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	21
Total Suspended Solids	MG/L	Maximum	1.4	1.7	1	1	2.9	2.9
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.0	1.2	0.7	0.8	1.7	1.7
Total Zinc	MG/L	# of Samples	4	4	5	4	4	21
Total Zinc	MG/L	Maximum	0.019	0.0052	<0.0050	<0.0050	0.0059	0.019
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0089	0.0032	0.0025	0.0025	0.0041	0.0089

TABLE 48: Iron Ore Company of Canada (Labrador City) 2021 FDP-JN - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Arsenic	MG/L	Maximum	<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
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Copper	MG/L	Maximum	0.0014	0.00072	0.00089	0.0015	0.00066	0.0012	0.00081	0.0015
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00077	0.00045	0.00056	0.00064	0.00052	0.00058	0.00056	0.00077
Un-ionized Ammonia	MG/L	# of Samples	5	4	5	4	4	5	4	31
Un-ionized Ammonia	MG/L	Maximum	<0.0025	<0.0054	0.0029	<0.0044	<0.0035	0.0014	<0.0005	0.0029
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00058	0.00132	0.00114	0.00085	0.00088	0.00054	0.00025	0.00132
Total Nickel	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	5	4	5	4	4	5	4	31
pH	PH UNITS	Maximum	7.92	8.23	8	8	8.01	7.93	7.95	8.23
pH	PH UNITS	Minimum	7.7	7.84	7.44	7.9	7.81	7.78	7.82	7.44
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	4	5	4	4	5	4	31
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	0.011
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.0065	0.005	0.005	0.0065
Total Suspended Solids	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Suspended Solids	MG/L	Maximum	6.1	2.2	1.8	2.3	2.6	9.8	1.8	9.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	3.1	1.5	1.2	1.1	1.5	3.0	0.8	3.1
Total Zinc	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Zinc	MG/L	Maximum	0.036	0.013	0.0077	0.011	<0.0050	0.006	0.0071	0.036
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0092	0.0051	0.0035	0.0046	0.0025	0.0032	0.0037	0.0092

TABLE 49: Iron Ore Company of Canada (Labrador City) 2021 FDP-LLN - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	1	1	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	1	1	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	1	1	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	1	1	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	1	5	6
Total Arsenic	MG/L	Maximum	0	0	0	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	0	0	0	1	5	6
Total Copper	MG/L	Maximum	0	0	0	0.00051	0.00087	0.00087
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0.00051	0.00067	0.00067
Total Nickel	MG/L	# of Samples	0	0	0	1	5	6
Total Nickel	MG/L	Maximum	0	0	0	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	0	0	0	1	5	6
Total Lead	MG/L	Maximum	0	0	0	<0.00050	0.00056	0.00056
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.00025	0.00031	0.00031
pH	PH UNITS	# of Samples	0	0	0	1	5	6
pH	PH UNITS	Maximum	0	0	0	8.16	8.38	8.38
pH	PH UNITS	Minimum	0	0	0	8.16	8.24	8.16
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	1	5	6
Radium-226	BQ/L	Maximum	0	0	0	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	5	6
Total Suspended Solids	MG/L	Maximum	0	0	0	7.2	12	12
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	7.2	7.1	7.2
Total Zinc	MG/L	# of Samples	0	0	0	1	5	6
Total Zinc	MG/L	Maximum	0	0	0	<0.0050	0.02	0.02
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0.0025	0.0117	0.0117

TABLE 50: Iron Ore Company of Canada (Labrador City) 2021 FDP-LLN June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	0	1	1	1	0	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	0	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	0	1	1	1	0	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	0	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	0	5	4	1	0	18
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	0	<0.0010	<0.0010	<0.0010	0	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0	0.0005	0.0005	0.0005	0	0.0005
Total Copper	MG/L	# of Samples	4	4	0	5	4	1	0	18
Total Copper	MG/L	Maximum	0.0009	0.0012	0	0.0009	0.0016	0.0023	0	0.0023
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00059	0.00083	0	0.00070	0.00076	0.00230	0	0.00230
Un-ionized Ammonia	MG/L	# of Samples	4	4	0	5	4	1	0	18
Un-ionized Ammonia	MG/L	Maximum	0.014	0.067	0	0.003	0.0023	0.0013	0	0.067
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.0076	0.0304	0	0.0018	0.0015	0.0013	0	0.0304
Total Nickel	MG/L	# of Samples	4	4	0	5	4	1	0	18
Total Nickel	MG/L	Maximum	<0.0020	0.002	0	<0.0020	<0.0020	<0.0020	0	0.002
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0013	0	0.0010	0.0010	0.0010	0	0.0013
Total Lead	MG/L	# of Samples	4	4	0	5	4	1	0	18
Total Lead	MG/L	Maximum	<0.00050	<0.00050	0	<0.00050	<0.00050	<0.00050	0	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0	0.00025	0.00025	0.00025	0	0.00025
pH	PH UNITS	# of Samples	4	4	0	5	4	1	0	18
pH	PH UNITS	Maximum	8.5	8.75	0	8.51	8.4	8.33	0	8.75
pH	PH UNITS	Minimum	8.39	8.36	0	8	8.04	8.33	0	8
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	0	5	4	1	0	18
Radium-226	BQ/L	Maximum	<0.010	<0.010	0	<0.010	0.027	<0.010	0	0.027
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0	0.005	0.011	0.005	0	0.011
Total Suspended Solids	MG/L	# of Samples	4	4	0	5	4	1	0	18
Total Suspended Solids	MG/L	Maximum	8	11	0	17	11	6.3	0	17
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	7.0	8.8	0	7.2	7.4	6.3	0	8.8
Total Zinc	MG/L	# of Samples	4	4	0	5	4	1	0	18
Total Zinc	MG/L	Maximum	0.012	0.0074	0	0.0083	0.046	0.022	0	0.046
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0083	0.0037	0	0.0065	0.0160	0.0220	0	0.0220

TABLE 51: Iron Ore Company of Canada (Labrador City) 2021 FDP-MD30 – January – May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	4	4	5	21
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	4	4	5	21
Total Copper	MG/L	Maximum	0.00078	0.00081	0.00059	0.0018	0.00096	0.0018
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00038	0.00039	0.00034	0.00064	0.00050	0.00064
Total Nickel	MG/L	# of Samples	4	4	4	4	5	21
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	4	4	5	21
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	0.0038	<0.00050	0.0038
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00114	0.00025	0.00114
pH	PH UNITS	# of Samples	4	4	4	4	5	21
pH	PH UNITS	Maximum	8.24	8.24	8.17	8.36	8.23	8.36
pH	PH UNITS	Minimum	8.18	8.11	8.02	7.94	8.12	7.94
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	4	4	5	21
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	4	4	5	21
Total Suspended Solids	MG/L	Maximum	5	2.8	3.4	5.5	2.8	5.5
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.4	1.2	2.0	2.2	1.5	2.4
Total Zinc	MG/L	# of Samples	4	4	4	4	5	21
Total Zinc	MG/L	Maximum	0.012	<0.0050	0.0087	0.033	0.013	0.033
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0049	0.0025	0.0041	0.0101	0.0046	0.0101

TABLE 52: Iron Ore Company of Canada (Labrador City) 2021 FDP-MD30 – June – December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Arsenic	MG/L	Maximum	<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
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Copper	MG/L	Maximum	0.0017	0.0013	0.0008	<0.00050	0.00066	0.0008	<0.00050	0.0017
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00080	0.00062	0.00041	0.00025	0.00035	0.00036	0.00025	0.00080
Un-ionized Ammonia	MG/L	# of Samples	4	4	5	4	4	5	4	30
Un-ionized Ammonia	MG/L	Maximum	<0.0015	0.0021	<0.0036	<0.0026	0.0018	0.0014	<0.00071	0.0021
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00061	0.00149	0.00096	0.00113	0.00066	0.00083	0.00028	0.00149
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.0021	0.0021
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00071	0.00071
pH	PH UNITS	# of Samples	4	4	5	4	4	5	4	30
pH	PH UNITS	Maximum	8.33	8.69	8.41	8.32	8.36	8.27	8.21	8.69
pH	PH UNITS	Minimum	8.25	8.08	7.9	8.1	7.86	8.13	8.15	7.86
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	4	5	4	30
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Suspended Solids	MG/L	Maximum	6.2	2.5	1.1	1.4	1.1	2.5	1.6	6.2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.8	1.2	0.7	0.8	0.8	1.2	1.0	2.8
Total Zinc	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Zinc	MG/L	Maximum	0.059	0.013	<0.0050	<0.0050	0.0055	0.09	0.012	0.09
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0230	0.0058	0.0025	0.0025	0.0033	0.0205	0.0059	0.0230

TABLE 53: Iron Ore Company of Canada (Labrador City) 2021 FDP-W3-02 January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	1	1	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	1	1	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	1	1	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	1	1	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	2	4	6
Total Arsenic	MG/L	Maximum	0	0	0	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	0	0	0	2	4	6
Total Copper	MG/L	Maximum	0	0	0	0.0029	0.0012	0.0029
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0.00193	0.00071	0.00193
Total Nickel	MG/L	# of Samples	0	0	0	2	4	6
Total Nickel	MG/L	Maximum	0	0	0	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	0	0	0	2	4	6
Total Lead	MG/L	Maximum	0	0	0	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	0	0	0	2	4	6
pH	PH UNITS	Maximum	0	0	0	7.86	7.82	7.86
pH	PH UNITS	Minimum	0	0	0	7.52	7.56	7.52
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	2	4	6
Radium-226	BQ/L	Maximum	0	0	0	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	2	4	6
Total Suspended Solids	MG/L	Maximum	0	0	0	4.8	4.7	4.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	4	3.25	4
Total Zinc	MG/L	# of Samples	0	0	0	2	4	6
Total Zinc	MG/L	Maximum	0	0	0	0.01	<0.0050	0.01
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0.00625	0.0025	0.00625

TABLE 54: Iron Ore Company of Canada (Labrador City) 2021 FDP-W3-02 - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	0	1	1	1	1	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	1	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	0	1	1	1	1	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	0	1	1	1	1	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	2	0	4	4	5	4	24
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	0	<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
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	5	2	0	4	4	5	4	24
Total Copper	MG/L	Maximum	0.0014	0.0016	0	0.00057	0.00075	0.00099	0.00077	0.0016
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00070	0.00135	0	0.00033	0.00049	0.00053	0.00038	0.00135
Un-ionized Ammonia	MG/L	# of Samples	5	2	0	4	4	5	4	24
Un-ionized Ammonia	MG/L	Maximum	0.0026	0.0011	0	<0.0039	<0.00063	0.014	<0.0005	0.014
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00083	0.00068	0	0.00090	0.00027	0.00311	0.00025	0.00311
Total Nickel	MG/L	# of Samples	5	2	0	4	4	5	4	24
Total Nickel	MG/L	Maximum	<0.0020	0.002	0	<0.0020	<0.0020	<0.0020	<0.0020	0.002
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0015	0	0.0010	0.0010	0.0010	0.0010	0.0015
Total Lead	MG/L	# of Samples	5	2	0	4	4	5	4	24
Total Lead	MG/L	Maximum	<0.00050	<0.00050	0	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	5	2	0	4	4	5	4	24
pH	PH UNITS	Maximum	8.07	7.74	0	8.03	7.97	7.98	7.89	8.07
pH	PH UNITS	Minimum	7.82	7.71	0	7.86	7.75	7.7	7.83	7.7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	5	2	0	4	4	5	4	24
Radium-226	BQ/L	Maximum	<0.010	<0.010	0	<0.010	0.089	<0.010	<0.010	0.089
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0	0.005	0.026	0.005	0.005	0.026
Total Suspended Solids	MG/L	# of Samples	5	2	0	4	4	5	4	24
Total Suspended Solids	MG/L	Maximum	6.8	19	0	1.7	2.2	2.2	0.6	19
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	3.9	12.9	0	1.0	1.2	0.9	0.4	12.9
Total Zinc	MG/L	# of Samples	5	2	0	4	4	5	4	24
Total Zinc	MG/L	Maximum	<0.0050	0.13	0	<0.0050	<0.0050	<0.0050	<0.0050	0.13
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0676	0	0.0025	0.0025	0.0025	0.0025	0.0676

TABLE 55: Iron Ore Company of Canada (Labrador City) 2021 FDP-MP-06 – January – May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	1	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	1	0	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	1	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	1	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	0	0	0	1	0	1
Total Arsenic	MG/L	Maximum	0	0	0	<0.0010	0	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0	0	0	0.0005	0	0.0005
Total Copper	MG/L	# of Samples	0	0	0	1	0	1
Total Copper	MG/L	Maximum	0	0	0	0.0013	0	0.0013
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0	0	0	0.0013	0	0.0013
Total Nickel	MG/L	# of Samples	0	0	0	1	0	1
Total Nickel	MG/L	Maximum	0	0	0	<0.0020	0	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0	0	0	0.001	0	0.001
Total Lead	MG/L	# of Samples	0	0	0	1	0	1
Total Lead	MG/L	Maximum	0	0	0	<0.00050	0	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0	0	0	0.00025	0	0.00025
pH	PH UNITS	# of Samples	0	0	0	1	0	1
pH	PH UNITS	Maximum	0	0	0	7.31	0	7.31
pH	PH UNITS	Minimum	0	0	0	7.31	0	7.31
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	0	0	1	0	1
Radium-226	BQ/L	Maximum	0	0	0	<0.010	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0.005	0	0.005
Total Suspended Solids	MG/L	# of Samples	0	0	0	1	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	7.9	0	7.9
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	7.9	0	7.9
Total Zinc	MG/L	# of Samples	0	0	0	1	0	1
Total Zinc	MG/L	Maximum	0	0	0	0.006	0	0.006
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0	0	0	0.006	0	0.006

TABLE 56: Iron Ore Company of Canada (Labrador City) 2021 PD-11

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	0	1	1	0	1	1	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	0	7.77	7.66	0	7.57	7.76	0	0	7.77
pH	PH UNITS	Minimum	0	0	0	0	0	7.77	7.66	0	7.57	7.76	0	0	7.57
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	1	0	1	1	0	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	3	<1.0	0	0.6	0.5	0	0	3
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	3	0.5	0	0.6	0.5	0	0	3

TABLE 57: Iron Ore Company of Canada (Labrador City) 2021 PD-19

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	0	1	0	1	1	1	0	0	4
pH	PH UNITS	Maximum	0	0	0	0	0	8.18	0	8.03	7.92	8.06	0	0	8.18
pH	PH UNITS	Minimum	0	0	0	0	0	8.18	0	8.03	7.92	8.06	0	0	7.92
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	1	1	1	0	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	<0.50	0	<1.0	0.6	1.7	0	0	1.7
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0.25	0	0.5	0.6	1.7	0	0	1.7

TABLE 58: Iron Ore Company of Canada (Labrador City) 2021 PD-25

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	8.22	8.24	8.2	0	0	0	8.24
pH	PH UNITS	Minimum	0	0	0	0	8.06	0	8.22	8.24	8.2	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
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	1	0	1	1	1	0	0	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0.6	0	2.5	2.8	110	0	0	0	110
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0.6	0	2.5	2.8	110	0	0	0	110

TABLE 59: Iron Ore Company of Canada (Labrador City) 2021 PD-32

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	0	0	1	1	1	0	1	0	4
pH	PH UNITS	Maximum	0	0	0	0	0	0	8.38	8.27	8.29	0	8.18	0	8.38
pH	PH UNITS	Minimum	0	0	0	0	0	0	8.38	8.27	8.29	0	8.18	0	8.18
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	1	1	1	0	1	0	4
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	2.2	<1.0	1.6	0	0.8	0	2.2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	2.2	0.5	1.6	0	0.8	0	2.2

TABLE 60: Labatt Breweries Newfoundland (St. John's) 2021 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	1	0	0	1	0	0	1	4
Total Boron	UG/L	Maximum	0	0	<50	0	0	<50	0	0	<50	0	0	<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	0	25	0	0	25	0	0	25	25
Biochemical Oxygen Demand	MG/L	# of Samples	4	4	5	4	4	4	5	5	3	4	5	3	50
Biochemical Oxygen Demand	MG/L	Maximum	1200	1200	1700	1100	1800	2100	2000	1200	980	1700	2300	1700	2300
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	4	4	5	3	4	4	4	4	3	4	5	3	47
Biochemical Oxygen Demand	MG/L	Monthly Average	920	890	1250	682.5	1177.5	1337.5	1006	816	750	1157.5	1328	1410	1410
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Cadmium	UG/L	Maximum	0	0	0.094	0	0	0.27	0	0	0.073	0	0	0.045	0.27
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	0.094	0	0	0.27	0	0	0.073	0	0	0.045	0.27
Total Chromium	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Chromium	UG/L	Maximum	0	0	7.9	0	0	31	0	0	8.3	0	0	3.1	31
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	7.9	0	0	31	0	0	8.3	0	0	3.1	31
Total Copper	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Copper	UG/L	Maximum	0	0	82	0	0	480	0	0	75	0	0	45	480
Total Copper	UG/L	Exceedance(>300)	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Copper	UG/L	Monthly Average	0	0	82	0	0	480	0	0	75	0	0	45	480
Total Iron	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Iron	UG/L	Maximum	0	0	850	0	0	2400	0	0	1200	0	0	830	2400
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	850	0	0	2400	0	0	1200	0	0	830	2400
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	<0.013	0	0	0.08	0	0	0.27	0	0	0.017	0.27
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	0.08	0	0	0.27	0	0	0.017	0.27
Total Nickel	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Nickel	UG/L	Maximum	0	0	5.5	0	0	17	0	0	5.4	0	0	4.2	17
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	5.5	0	0	17	0	0	5.4	0	0	4.2	17
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Orthophosphate	MG/L	Maximum	0	0	3.8	0	0	7.9	0	0	4.5	0	0	6.3	7.9
Orthophosphate	MG/L	Exceedance(>4.36)	0	0	0	0	0	1	0	0	1	0	0	1	3
Orthophosphate	MG/L	Monthly Average	0	0	3.8	0	0	7.9	0	0	4.5	0	0	6.3	7.9
Total Lead	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Lead	UG/L	Maximum	0	0	5.6	0	0	30	0	0	6.8	0	0	3	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	5.6	0	0	30	0	0	6.8	0	0	3	30
pH	PH UNITS	# of Samples	4	4	6	4	4	5	5	5	4	4	5	4	54
pH	PH UNITS	Maximum	6.43	7.63	11.7	6.91	6.79	7.67	7.15	9.85	7.24	6.48	6.59	5.65	11.7
pH	PH UNITS	Minimum	4.87	5.19	6.08	6.22	5.01	6.31	5.26	5.28	5.45	5.99	4.99	4.59	4.59
pH	PH UNITS	Exceedance(<5.5,>9.0)	2	1	1	0	1	0	1	2	1	0	1	3	13
Phenolics	MG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Phenolics	MG/L	Maximum	0	0	0.0072	0	0	0.26	0	0	0.092	0	0	0.0097	0.26
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	0.0072	0	0	0.26	0	0	0.092	0	0	0.0097	0.26

TABLE 60 CONTINUED: Labatt Breweries Newfoundland (St. John's) 2021 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	4	4	6	4	4	5	5	5	4	4	5	4	54
Total Suspended Solids	MG/L	Maximum	850	1200	590	680	1400	2000	1500	220	210	400	2000	270	2000
Total Suspended Solids	MG/L	Exceedance(>350)	2	2	4	1	2	3	2	0	0	2	2	0	20
Total Suspended Solids	MG/L	Monthly Average	429.3	580	320.2	284	624	1057.2	610	99.8	131.5	257.8	635.8	186.5	1057.2
Total Zinc	UG/L	# of Samples	0	0	1	0	0	1	0	0	1	0	0	1	4
Total Zinc	UG/L	Maximum	0	0	160	0	0	720	0	0	170	0	0	290	720
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	160	0	0	720	0	0	170	0	0	290	720

TABLE 61: Marine Contractors Inc. 2021 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	0	0	0	0	1	0	0	1
Total Silver	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.05	0	0	0.05
Total Arsenic	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Arsenic	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0	1	0	0	1
Total Barium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Barium	UG/L	Maximum	0	0	0	0	0	0	0	0	0	186	0	0	186
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	0	0	0	186	0	0	186
Total Boron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Boron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	17	0	0	17
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	0	0	0	17	0	0	17
Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<2	0	0	<2
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	1	0	0	1
Cyanide (Total Available, unfiltered)	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Cyanide (Total Available, unfiltered)	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.002	0	0	<0.002
Cyanide (Total Available, unfiltered)	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide (Total Available, unfiltered)	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.001	0	0	0.001
Total Cadmium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Cadmium	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.045	0	0	0.045
Total Chromium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Chromium	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.5	0	0	0.5
Total Copper	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Copper	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	1	0	0	1
Total Iron	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Iron	UG/L	Maximum	0	0	0	0	0	0	0	0	0	84	0	0	84
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	0	0	0	84	0	0	84
Total Nickel	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nickel	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0	1	0	0	1
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<0.03	0	0	<0.03
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0.015	0	0	0.015

TABLE 61 CONTINUED: Marine Contractors Inc. 2021 Lagoon

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nitrate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Nitrate	MG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.025	0	0	0.025
Orthophosphate	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Orthophosphate	MG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.005	0	0	0.005
Total Lead	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Lead	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.25	0	0	0.25
Phenolics	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Phenolics	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0.005	0	0	0.005
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	0.005	0	0	0.005
Total Selenium	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Selenium	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.5	0	0	0.5
Calculated TDS	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Calculated TDS	MG/L	Maximum	0	0	0	0	0	0	0	0	0	120	0	0	120
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	0	120	0	0	120
TPH (Atlantic PIRI)	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
TPH (Atlantic PIRI)	MG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0.05	0	0	0.05
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	0	0	0	0	<5	0	0	<5
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	2.5	0	0	2.5
Total Zinc	UG/L	# of Samples	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Zinc	UG/L	Maximum	0	0	0	0	0	0	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	0	0	0	0	2.5	0	0	2.5

TABLE 62: Molson Coors Canada (St. John's) 2021 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	2	0	0	0	1	0	1	0	0	1	0	5
Total Boron	UG/L	Maximum	0	<50	0	0	0	<50	0	<50	0	0	<50	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	25	0	0	0	25	0	25	0	0	25	0	25
Biochemical Oxygen Demand	MG/L	# of Samples	4	4	4	5	4	4	4	3	4	5	4	4	49
Biochemical Oxygen Demand	MG/L	Maximum	2100	440	1000	1900	460	6.8	2.9	2100	990	6.8	<5.0	3	2100
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	4	1	1	4	2	0	0	1	2	0	0	0	15
Biochemical Oxygen Demand	MG/L	Monthly Average	1625	113.5	254.4	1024	202.7	3.7	2.6	756.3	454.75	4.4	2.1	2	1625
Total Cadmium	UG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Total Cadmium	UG/L	Maximum	0	0.01	0	0	0	<0.010	0	0.032	0	0	<0.010	0	0.032
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	0.0075	0	0	0	0.005	0	0.032	0	0	0.005	0	0.032
Total Chromium	UG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Total Chromium	UG/L	Maximum	0	<1.0	0	0	0	<1.0	0	8	0	0	<1.0	0	8
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	0.5	0	0	0	0.5	0	8	0	0	0.5	0	8
Total Copper	UG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Total Copper	UG/L	Maximum	0	2.5	0	0	0	1.7	0	39	0	0	1.3	0	39
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	2	0	0	0	1.7	0	39	0	0	1.3	0	39
Total Iron	UG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Total Iron	UG/L	Maximum	0	<50	0	0	0	<50	0	370	0	0	<50	0	370
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	25	0	0	0	25	0	370	0	0	25	0	370
Total Mercury	UG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Total Mercury	UG/L	Maximum	0	<0.013	0	0	0	<0.013	0	<0.013	0	0	<0.013	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	0.0065	0	0	0	0.0065	0	0.0065	0	0	0.0065	0	0.0065
Total Nickel	UG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Total Nickel	UG/L	Maximum	0	<2.0	0	0	0	<2.0	0	4	0	0	<2.0	0	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	1	0	0	0	1	0	4	0	0	1	0	4
Orthophosphate	MG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Orthophosphate	MG/L	Maximum	0	0.04	0	0	0	0.12	0	4.2	0	0	0.15	0	4.2
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	0.038	0	0	0	0.12	0	4.2	0	0	0.15	0	4.2
Total Lead	UG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Total Lead	UG/L	Maximum	0	<0.50	0	0	0	<0.50	0	5.7	0	0	<0.50	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	0.25	0	0	0	0.25	0	5.7	0	0	0.25	0	5.7
pH	PH UNITS	# of Samples	4	4	4	5	4	4	4	4	4	5	4	4	50
pH	PH UNITS	Maximum	11.2	7.11	9.83	10.9	10.6	7.52	7.74	7.22	10.9	7.17	7.69	7.8	11.2
pH	PH UNITS	Minimum	6.62	6.92	7.2	6.48	6.13	7.14	7	4.93	6.96	7.08	6.99	7.42	4.93
pH	PH UNITS	Exceedance(<5.5,>9.0)	2	0	1	2	1	0	0	1	2	0	0	0	9
Phenolics	MG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Phenolics	MG/L	Maximum	0	<0.0010	0	0	0	<0.0010	0	0.0041	0	0	<0.0010	0	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	0.0005	0	0	0	0.0005	0	0.0041	0	0	0.0005	0	0.0041

TABLE 62 CONTINUED: Molson Coors Canada (St. John's) 2021 Water Chemistry

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Suspended Solids	MG/L	# of Samples	4	4	4	5	4	4	4	4	4	5	4	4	50
Total Suspended Solids	MG/L	Maximum	140	24	110	120	68	5.6	2	210	250	10	1.4	1.5	250
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	95.5	8.5	28.7	66.8	28.6	3.2	1.8	104	102	5.5	1.05	1.25	104
Total Zinc	UG/L	# of Samples	0	2	0	0	0	1	0	1	0	0	1	0	5
Total Zinc	UG/L	Maximum	0	12	0	0	0	<5.0	0	120	0	0	<5.0	0	120
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	7.3	0	0	0	2.5	0	120	0	0	2.5	0	120

TABLE 63: Newfoundland Transshipment Limited 2021 Oily Water Separator

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	1	0	1	4
pH	PH UNITS	Maximum	6.8	0	0	0	6.7	0	0	0	0	6.9	0	7	7
pH	PH UNITS	Minimum	6.8	0	0	0	6.7	0	0	0	0	6.9	0	7	6.7
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	1	0	0	0	1	0	0	0	0	1	0	1	4
Calculated TDS	MG/L	Maximum	244	0	0	0	2376	0	0	0	0	766	0	414	2376
Calculated TDS	MG/L	Exceedance(>36000)*	0	0	0	0	0	0	0	0	0	0	0	0	0
Calculated TDS	MG/L	Monthly Average	244	0	0	0	2376	0	0	0	0	766	0	414	2376
Total Oil and Grease	MG/L	# of Samples	1	0	0	0	1	0	0	0	0	1	0	1	4
Total Oil and Grease	MG/L	Maximum	5.1	0	0	0	7.9	0	0	0	0	6.2	0	3.4	7.9
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	5.1	0	0	0	7.9	0	0	0	0	6.2	0	3.4	7.9
Total Suspended Solids	MG/L	# of Samples	1	0	0	0	1	0	0	0	0	1	0	1	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	0	1.7	0	0	0	0	<1.6	0	<1.6	1.7
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0	1.7	0	0	0	0	0.8	0	0.8	1.7

*Limit has been adjusted to reflect background TDS levels.

TABLE 64: Newfoundland Transshipment Limited 2021 Remote Impoundment Pond

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	0	1	0	0	0	0	0	1	2
pH	PH UNITS	Maximum	0	0	0	0	0	7.1	0	0	0	0	0	6.6	7.1
pH	PH UNITS	Minimum	0	0	0	0	0	7.1	0	0	0	0	0	6.6	6.6
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	0	0	0	0	0	1	0	0	0	0	0	1	2
Total Oil and Grease	MG/L	Maximum	0	0	0	0	0	2.6	0	0	0	0	0	5.8	5.8
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	0	0	0	0	0	2.6	0	0	0	0	0	5.8	5.8
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	0	1	0	0	0	0	0	1	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	0	<1.6	0	0	0	0	0	<1.6	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	0	0.8	0	0	0	0	0	0.8	0.8

TABLE 65: Newfoundland Transshipment Limited 2021 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	8.9	0	0	8.3	0	0	7.9	0	0	8.2	0	0	8.9
pH	PH UNITS	Minimum	8.9	0	0	8.3	0	0	7.9	0	0	8.2	0	0	7.9
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	3.9	0	0	2.1	0	0	5	0	0	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	3.4	0	0	3.9	0	0	2.1	0	0	5	0	0	5
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 66: Newfoundland Transshipment Limited 2021 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	8.3	0	0	8	0	0	8	0	0	8.3	0	0	8.3
pH	PH UNITS	Minimum	8.3	0	0	8	0	0	8	0	0	8.3	0	0	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	2.1	0	0	2.1	0	0	3.3	0	0	4.1	0	0	4.1
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	2.1	0	0	2.1	0	0	3.3	0	0	4.1	0	0	4.1
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 67: Newfoundland Transshipment Limited 2021 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	0	4
pH	PH UNITS	Maximum	8.1	0	0	8	0	0	8	0	0	8.3	0	0	8.3
pH	PH UNITS	Minimum	8.1	0	0	8	0	0	8	0	0	8.3	0	0	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	3.9	0	0	4.2	0	0	4	0	0	5.3	0	0	5.3
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	3.9	0	0	4.2	0	0	4	0	0	5.3	0	0	5.3
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 68: Newfoundland Transshipment Limited 2021 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	8	0	0	7.4	0	0	7.5	0	0	7.7	0	0	8
pH	PH UNITS	Minimum	8	0	0	7.4	0	0	7.5	0	0	7.7	0	0	7.4
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	0	0	2.8	0	0	3.7	0	0	2.7	0	0	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	0	0	2.8	0	0	3.7	0	0	2.7	0	0	6
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 69: Newfoundland Transshipment Limited 2021 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	7.7	0	0	7.2	0	0	7.3	0	0	7.5	0	0	7.7
pH	PH UNITS	Minimum	7.7	0	0	7.2	0	0	7.3	0	0	7.5	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 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	5.5	0	0	5.6	0	0	2.2	0	0	4.3	0	0	5.6
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	5.5	0	0	5.6	0	0	2.2	0	0	4.3	0	0	5.6
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 70: Newfoundland Transshipment Limited 2021 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	7.6	0	0	7.3	0	0	7.3	0	0	7.5	0	0	7.6
pH	PH UNITS	Minimum	7.6	0	0	7.3	0	0	7.3	0	0	7.5	0	0	7.3
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	5.4	0	0	4.2	0	0	3.7	0	0	3.7	0	0	5.4
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	5.4	0	0	4.2	0	0	3.7	0	0	3.7	0	0	5.4
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 71: Newfoundland Transshipment Limited 2021 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	8.1	0	0	8	0	0	8	0	0	8.2	0	0	8.2
pH	PH UNITS	Minimum	8.1	0	0	8	0	0	8	0	0	8.2	0	0	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	6.2	0	0	8.3	0	0	2.6	0	0	3.3	0	0	8.3
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	6.2	0	0	8.3	0	0	2.6	0	0	3.3	0	0	8.3
Total Suspended Solids	MG/L	# of Samples	1	0	0	1	0	0	1	0	0	1	0	0	4
Total Suspended Solids	MG/L	Maximum	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6	0	0	<1.6
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.8	0	0	0.8	0	0	0.8	0	0	0.8	0	0	0.8

TABLE 72: Newfoundland and Labrador Hydro (Holyrood) 2021 CT-OS

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	1	1	1	1	1	1	12
Total Silver	UG/L	Maximum	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Arsenic	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 Arsenic	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0.5	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 Barium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Barium	UG/L	Maximum	9.1	9.0	9.0	8.9	33.0	44.0	38.0	48.0	20.0	63.0	30.0	49.0	63.0
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	9.1	9.0	9.0	8.9	33.0	44.0	38.0	48.0	20.0	63.0	30.0	49.0	63.0
Total Boron	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Boron	UG/L	Maximum	<50	<50	<50	<50	<50	<50	<50	<50	<50	<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	25	25	25	25	25	25	25	25	25	25	25	25	25
Biochemical Oxygen Demand	MG/L	# of Samples	0	0	2	4	4	5	4	4	5	4	5	4	41
Biochemical Oxygen Demand	MG/L	Maximum	0	0	<10	<10	65	4.2	4.7	<5.0	<10	<5.0	<5.0	<5.0	65
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	1	0	0	0	0	0	0	0	1
Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	5.00	3.13	18.23	3.18	3.05	2.13	3.32	1.88	2.00	1.88	18.23
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	4	4	3	0	0	0	0	0	0	0	0	0	11
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	<2.0	<2.0	<2.0	0	0	0	0	0	0	0	0	0	<2.0
Carbonaceous Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbonaceous Biochemical Oxygen Demand	MG/L	Monthly Average	1	1	1	0	0	0	0	0	0	0	0	0	1
Total Cadmium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Cadmium	UG/L	Maximum	<0.010	<0.010	<0.010	0.021	0.029	0.028	0.014	<0.010	0.012	0.012	0.018	0.011	0.029
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	0.005	0.005	0.005	0.021	0.029	0.028	0.014	0.005	0.012	0.012	0.018	0.011	0.029
Total Chromium	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
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	0.50	0.50	0.50	0.50	0.50	1.00	0.50	0.50	0.50	0.50	0.50	0.50	1.00
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Copper	UG/L	Maximum	0.94	1.4	1.2	19	5.6	5	5.1	5.1	9.4	2.6	3.4	2.2	19
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	0.94	1.40	1.20	19.00	5.60	5.00	5.10	5.10	9.40	2.60	3.40	2.20	19.00
Total Iron	UG/L	# of Samples	1	1	1	1	1	1	2	1	1	1	1	1	13
Total Iron	UG/L	Maximum	96	95	59	4200	250	630	940	320	350	340	400	380	4200
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	96	95	59	4200	250	630	870	320	350	340	400	380	4200
Total Mercury	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Mercury	UG/L	Maximum	<0.013	0.02	0.023	<0.013	<0.013	0.073	0.015	<0.013	<0.013	0.023	0.07	<0.013	0.073
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	0.0200	0.0230	0.0065	0.0065	0.0730	0.0150	0.0065	0.0065	0.0230	0.0700	0.0065	0.0730
Total Nickel	MG/L	# of Samples	1	1	1	1	1	1	2	1	1	1	1	1	13
Total Nickel	MG/L	Maximum	<2.0	<2.0	<2.0	2.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.8
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	1.0	1.0	1.0	2.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.8

TABLE 72 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2021 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Ammonium + Ammonia Total	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Ammonium + Ammonia Total	MG/L	Maximum	<0.050	0.098	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.051	<0.050	0.098
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0.025	0.098	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.051	0.025	0.098
Nitrate, filtered, reactive	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Nitrate, filtered, reactive	MG/L	Maximum	0.17	0.074	0.14	0.1	0.17	0.36	0.11	0.25	<0.050	0.36	0.22	0.43	0.43
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0.170	0.074	0.140	0.100	0.170	0.360	0.110	0.250	0.025	0.360	0.220	0.430	0.430
Orthophosphate	MG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Orthophosphate	MG/L	Maximum	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	0.12	0.14	0.068	0.021	<0.010	<0.010	0.14
Orthophosphate	MG/L	Exceedance(>0.436)	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthophosphate	MG/L	Monthly Average	0.011	0.005	0.005	0.005	0.005	0.005	0.120	0.140	0.068	0.021	0.005	0.005	0.140
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	1	0.78	1.8	1.2	<0.50	0.78	<0.50	0.86	0.81	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	0.25	0.25	0.25	1.00	0.78	1.80	1.20	0.25	0.78	0.25	0.86	0.81	1.80
pH	PH UNITS	# of Samples	5	5	6	5	5	6	5	5	6	5	6	5	64
pH	PH UNITS	Maximum	7.7	7.7	7.58	7.7	7.2	7.7	7.89	7.31	7.9	7.22	7.38	7.44	7.9
pH	PH UNITS	Minimum	6.8	6.09	6.6	6.2	6.7	6.7	6.5	6.4	6.7	6.5	6.4	6.2	6.09
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	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	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Selenium	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 Selenium	UG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Selenium	UG/L	Monthly Average	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
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	1	1	1	1	1	1	12
Calculated TDS	MG/L	Maximum	89	100	86	90	79	120	210	150	65	120	85	110	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	89	100	86	90	79	120	210	150	65	120	85	110	210
TDS Measured	MG/L	# of Samples	4	3	5	4	3	5	4	4	5	4	5	4	50
TDS Measured	MG/L	Maximum	91	100	96	86	120	170	220	160	93	130	83	115	220
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	85.8	80.3	76.6	78.5	90.0	122.0	134.0	132.5	72.6	82.8	54.6	72.3	134.0
TPH (Atlantic PIRI)	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	5	4	52
TPH (Atlantic PIRI)	MG/L	Maximum	0.14	31	0.12	2.4	70	7.4	120	13	39	21	14	8.7	120
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	1	0	0	2	0	2	0	3	3	0	0	11
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.069	8.373	0.063	0.949	28.338	4.420	35.825	7.550	22.410	17.250	7.686	2.850	35.825
Total Suspended Solids	MG/L	# of Samples	5	6	6	5	6	6	5	5	6	5	6	4	65
Total Suspended Solids	MG/L	Maximum	4	9.4	17	14.5	21	15.3	25	14.6	13.6	28.8	20.8	13.7	28.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.32	3.93	5.09	7.31	11.93	8.73	13.24	5.59	7.85	11.03	7.50	8.75	13.24

TABLE 72 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2021 CT-OS

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	1	1	1	1	1	12
Total Zinc	UG/L	Maximum	<5.0	<5.0	<5.0	31	11	34	13	8.9	19	6.5	14	8.5	34
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	2.5	2.5	2.5	31.0	11.0	34.0	13.0	8.9	19.0	6.5	14.0	8.5	34.0

TABLE 73: Newfoundland and Labrador Hydro (Holyrood) 2021 Continuous Basin

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	0	0	0	0	1	0	0	1	3
Total Silver	UG/L	Maximum	0	0	<0.10	0	0	0	0	0	<0.10	0	0	<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	0	0	0	0.05	0	0	0.05	0.05
Total Arsenic	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Arsenic	UG/L	Maximum	0	0	<1.0	0	0	0	0	0	<1.0	0	0	<1.0	<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	0.5	0	0	0	0	0	0.5	0	0	0.5	0.5
Total Barium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Barium	UG/L	Maximum	0	0	8.9	0	0	0	0	0	7.9	0	0	6.1	8.9
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	8.9	0	0	0	0	0	7.9	0	0	6.1	8.9
Total Boron	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Boron	UG/L	Maximum	0	0	150	0	0	0	0	0	<50	0	0	<50	150
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	150	0	0	0	0	0	25	0	0	25	150
Total Cadmium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Cadmium	UG/L	Maximum	0	0	0.2	0	0	0	0	0	0.19	0	0	0.068	0.2
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	0.200	0	0	0	0	0	0.190	0	0	0.068	0.200
Total Chromium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Chromium	UG/L	Maximum	0	0	<1.0	0	0	0	0	0	<1.0	0	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	0	0.5	0	0	0	0	0	0.5	0	0	0.5	0.5
Total Copper	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Copper	UG/L	Maximum	0	0	4.6	0	0	0	0	0	4.1	0	0	0.53	4.6
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	4.6	0	0	0	0	0	4.1	0	0	0.53	4.6
Total Iron	UG/L	# of Samples	4	4	6	4	4	2	0	0	4	4	5	5	42
Total Iron	UG/L	Maximum	1200	610	1400	200	610	90	0	0	290	340	200	130	1400
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	1100	300	720	110	290	90	0	0	260	160	70	60	1100
Total Mercury	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Mercury	UG/L	Maximum	0	0	<0.013	0	0	0	0	0	<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	0
Total Mercury	UG/L	Monthly Average	0	0	0.0065	0	0	0	0	0	0.0065	0	0	0.013	0.013
Total Nickel	UG/L	# of Samples	4	4	6	4	4	2	0	0	4	4	5	5	42
Total Nickel	UG/L	Maximum	5.1	4.8	280	22	15	4.5	0	0	20	29	21	10	280
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	3.2	3.0	89.0	9.9	8.2	4.4	0	0	8.3	14.0	14.2	4.9	89.0

TABLE 73 CONTINUED: Newfoundland and Labrador Hydro (Holyrood) 2021 Continuous Basin

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Ammonium + Ammonia Total	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Ammonium + Ammonia Total	MG/L	Maximum	0	0	0.11	0	0	0	0	0	0.071	0	0	0.17	0.17
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0	0	0.110	0	0	0	0	0	0.071	0	0	0.170	0.170
Nitrate, filtered, reactive	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Nitrate, filtered, reactive	MG/L	Maximum	0	0	0.099	0	0	0	0	0	0.061	0	0	<0.050	0.099
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate, filtered, reactive	MG/L	Monthly Average	0	0	0.099	0	0	0	0	0	0.061	0	0	0.025	0.099
Orthophosphate	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Orthophosphate	MG/L	Maximum	0	0	<0.010	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	0.005	0	0	0	0	0	0.005	0	0	0.005	0.005
Total Lead	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Lead	UG/L	Maximum	0	0	<0.50	0	0	0	0	0	<0.50	0	0	<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	0	0.25	0	0	0	0	0	0.25	0	0	0.25	0.25
pH	PH UNITS	# of Samples	4	4	6	4	4	2	0	0	2	4	5	5	40
pH	PH UNITS	Maximum	7.9	7.1	6.8	6.63	7.1	6.9	0	0	7.55	6.8	7.78	7.5	7.9
pH	PH UNITS	Minimum	6.2	6.3	6.2	6.3	6.3	6.6	0	0	7.2	6.3	6.5	6.3	6.2
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	0	0	1	0	0	1	3
Phenolics	MG/L	Maximum	0	0	<0.0010	0	0	0	0	0	<0.0010	0	0	<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	0	0.0005	0	0	0	0	0	0.0005	0	0	0.0005	0.0005
Total Selenium	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Selenium	UG/L	Maximum	0	0	<0.50	0	0	0	0	0	<0.50	0	0	<0.50	<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	0.25	0	0	0	0	0	0.25	0	0	0.25	0.25
Sulphide	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Sulphide	MG/L	Maximum	0	0	<0.020	0	0	0	0	0	<0.020	0	0	<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	0	0.01	0	0	0	0	0	0.01	0	0	0.01	0.01
Calculated TDS	MG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Calculated TDS	MG/L	Maximum	0	0	1200	0	0	0	0	0	130	0	0	130	1200
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	1200	0	0	0	0	0	130	0	0	130	1200
TPH (Atlantic PIRI)	MG/L	# of Samples	4	4	5	4	4	2	0	0	3	4	5	4	39
TPH (Atlantic PIRI)	MG/L	Maximum	0.22	30	0.56	0.12	0.61	0.23	0	0	<0.098	68	0.51	0.43	68
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	1	0	0	0	0	0	0	0	1	0	0	2
TPH (Atlantic PIRI)	MG/L	Monthly Average	0.131	8.123	0.163	0.064	0.345	0.138	0	0	0.046	17.039	0.138	0.143	17.039
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	2	0	0	1	4	5	4	37
Total Suspended Solids	MG/L	Maximum	28	28	29	34	26	4.8	0	0	11.1	12.75	9.34	6.8	34
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	16.8	14.1	12.8	11.2	11.2	4.3	0	0	11.1	8.8	3.0	4.4	16.8
Total Zinc	UG/L	# of Samples	0	0	1	0	0	0	0	0	1	0	0	1	3
Total Zinc	UG/L	Maximum	0	0	550	0	0	0	0	0	44	0	0	17	550
Total Zinc	UG/L	Exceedance(>500)	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Zinc	UG/L	Monthly Average	0	0	550	0	0	0	0	0	44	0	0	17	550

TABLE 74: Newfoundland and Labrador Hydro (Holyrood) 2021 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	4	5	4	4	5	4	5	4	52
Total Iron	MG/L	Maximum	0.89	1.2	11	12	6.6	1.1	0.14	6.2	2.7	0.7	0.3	0.15	12
Total Iron	MG/L	Exceedance(>10)	0	0	1	1	0	0	0	0	0	0	0	0	2
Total Iron	MG/L	Monthly Average	0.59	0.51	2.35	3.50	2.09	0.66	0.11	1.77	0.68	0.38	0.19	0.10	3.50
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	5	4	52
Total Nickel	MG/L	Maximum	0.019	0.019	0.055	0.097	0.081	0.033	0.0025	0.0043	0.22	0.017	0.0062	0.0033	0.22
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	0.0097	0.0104	0.0153	0.0534	0.0532	0.0208	0.0017	0.0023	0.0448	0.0083	0.0022	0.0020	0.0534
pH	PH UNITS	# of Samples	4	4	5	4	4	5	4	4	5	4	5	4	52
pH	PH UNITS	Maximum	7	6.8	7.73	6.3	7.3	6.9	7.2	8.6	8.1	6.8	7	6.5	8.6
pH	PH UNITS	Minimum	6.1	5.6	6.6	5.9	6.4	6.4	6.4	6.3	6.5	6.2	6.48	5.9	5.6
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	4	5	4	4	5	4	5	4	52
TPH (Atlantic PIRI)	MG/L	Maximum	260	180	22	460	210	62	130	220	65	95	48	8.7	460
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	4	3	2	3	3	4	2	4	4	4	3	0	36
TPH (Atlantic PIRI)	MG/L	Monthly Average	106.25	76.03	13.58	172.85	89.37	32.61	58.00	80.75	30.21	65.75	24.94	4.45	172.85
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	5	4	52
Total Suspended Solids	MG/L	Maximum	3.2	30	13	90	38	33.3	25	18.1	18.4	17.9	25.2	21.25	90
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	2	1	1	0	0	0	0	0	0	4
Total Suspended Solids	MG/L	Monthly Average	2.20	9.25	7.57	42.86	26.63	24.46	15.70	13.30	10.58	10.50	7.32	19.09	42.86

TABLE 75: Newfoundland and Labrador Hydro (Holyrood) 2021 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	4	5	4	4	5	4	5	4	52
Total Iron	MG/L	Maximum	0.48	0.16	0.43	9.1	0.81	0.53	0.23	0.28	0.95	0.63	0.91	0.17	9.1
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	0.26	0.09	0.19	2.77	0.58	0.28	0.14	0.15	0.42	0.28	0.32	0.12	2.77
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	4	4	5	4	5	4	52
Total Nickel	MG/L	Maximum	0.023	0.011	0.026	0.022	0.021	0.055	0.37	0.035	0.082	0.0038	0.0088	0.0034	0.37
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	0.0098	0.0064	0.0091	0.0123	0.0125	0.0188	0.2200	0.0199	0.0304	0.0025	0.0028	0.0028	0.2200
pH	PH UNITS	# of Samples	4	4	4	4	4	5	4	4	5	4	5	4	51
pH	PH UNITS	Maximum	7.9	6.7	7.19	6.4	6.4	6.3	6.6	7.4	7.5	6.9	7.1	6.5	7.9
pH	PH UNITS	Minimum	7.15	6.12	6.8	6.1	5.7	5.75	5.9	6	6.1	6.1	6.2	5.8	5.7
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	4	5	4	4	5	4	5	4	52
TPH (Atlantic PIRI)	MG/L	Maximum	13	50	4	46	120	17	17	74	46	57	27	22	120
TPH (Atlantic PIRI)	MG/L	Exceedance(>15)	0	3	0	1	2	1	1	3	1	4	2	1	19
TPH (Atlantic PIRI)	MG/L	Monthly Average	5.59	23.45	1.76	18.45	48.05	7.82	8.00	38.48	17.34	46.50	15.74	7.68	48.05
Total Suspended Solids	MG/L	# of Samples	4	4	4	4	4	5	4	4	5	4	5	4	51
Total Suspended Solids	MG/L	Maximum	3.8	4.8	24.25	27	28.7	20.6	23	29	12.9	20.25	19.8	18.5	29
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.94	3.20	10.26	16.69	27.25	10.77	13.66	19.68	9.23	13.99	10.48	12.46	27.25

TABLE 76: Newfoundland and Labrador Hydro (Holyrood) 2021 WWTP

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Iron	MG/L	# of Samples	4	3	3	11	3	2	2	1	6	4	3	7	49
Total Iron	MG/L	Maximum	0.51	<0.050	<0.50	2.6	1.2	0.4	1.2	0.093	0.49	<0.50	0.671	0.212	2.6
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	0.146	0.025	0.175	0.759	0.997	0.390	0.725	0.093	0.240	0.202	0.484	0.150	0.997
Total Nickel	MG/L	# of Samples	4	3	3	11	3	2	2	1	6	4	3	7	49
Total Nickel	MG/L	Maximum	0.075	0.082	0.073	0.09	0.12	0.043	0.2	0.025	0.71	0.12	0.14	1.13	1.13
Total Nickel	MG/L	Exceedance(>0.5)	0	0	0	0	0	0	0	0	1	0	0	1	2
Total Nickel	MG/L	Monthly Average	0.0575	0.0747	0.0603	0.0470	0.1060	0.0390	0.1550	0.0250	0.1787	0.0990	0.0873	0.2219	0.2219
pH	PH UNITS	# of Samples	4	3	3	11	3	2	2	1	5	4	4	6	48
pH	PH UNITS	Maximum	7.7	7.8	8	8.7	8.3	8.75	8.7	8.6	8.7	8.6	8.9	8.7	8.9
pH	PH UNITS	Minimum	7.2	7	7	7.1	8	8.6	8.1	8.6	8.6	8	8.1	8.2	7
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	4	3	3	11	3	2	2	1	5	4	4	6	48
Total Suspended Solids	MG/L	Maximum	4.6	4	6.4	12.25	19.2	25	20	5.5	25	8	8.3	6.25	25
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	3.76	3.07	3.80	7.81	15.18	18.38	19.25	5.50	13.74	4.73	5.88	3.31	19.25

TABLE 77: North Atlantic Refining Corp. 2021 Outfall

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
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
Ammonium + Ammonia Total	LBS/DAY	# of Samples	13	12	13	13	13	13	13	14	13	13	13	13	156
Ammonium + Ammonia Total	LBS/DAY	Maximum	7.6	4.4	7.1	39.7	3.8	13	6.8	7.8	12.4	11.6	45	27.3	45
Ammonium + Ammonia Total	LBS/DAY	Exceedance(>798)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	LBS/DAY	Monthly Average	2.6	2.4	2.7	8.9	2.1	3.3	2.5	3	6.2	5.9	20.6	13.2	20.6
pH	PH UNITS	# of Samples	31	28	32	29	31	31	31	31	30	31	31	32	368
pH	PH UNITS	Maximum	8.8	8.8	7.9	8.2	8	8.8	8.3	8.4	8.1	8	7.9	7.9	8.8
pH	PH UNITS	Minimum	6.9	7	7.1	6.8	6.9	6.3	7	7	7.1	6.4	7	6.9	6.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	LBS/DAY	# of Samples	13	12	13	13	13	13	13	14	13	13	13	13	156
Phenolics	LBS/DAY	Maximum	0.25	0.22	0.21	0.99	0.19	0.33	0.34	0.26	0.34	0.3	1.14	0.34	1.14
Phenolics	LBS/DAY	Exceedance(>77)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	LBS/DAY	Monthly Average	0.11	0.12	0.1	0.29	0.1	0.13	0.12	0.13	0.24	0.2	0.43	0.21	0.43
Sulphide	LBS/DAY	# of Samples	13	12	13	13	13	13	13	14	13	13	13	13	156
Sulphide	LBS/DAY	Maximum	0.25	0.11	0.53	7.9	0.27	7.8	0.94	0.38	5.9	0.51	1.6	0.86	7.9
Sulphide	LBS/DAY	Exceedance(>42)	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulphide	LBS/DAY	Monthly Average	0.1	0.06	0.12	0.94	0.09	0.7	0.17	0.18	0.6	0.2	0.56	0.35	0.94
Total Oil and Grease	LBS/DAY	# of Samples	13	12	13	13	13	13	13	14	13	13	13	13	156
Total Oil and Grease	LBS/DAY	Maximum	20	18	39	243	19	30	18	18	42	50	80	54	243
Total Oil and Grease	LBS/DAY	Exceedance(>770)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Oil and Grease	LBS/DAY	Monthly Average	7.4	7.3	11.2	34.8	6.9	12.8	6.8	7.6	17.3	17.8	28.4	19.3	34.8
Total Suspended Solids	LBS/DAY	# of Samples	13	12	13	12	13	13	13	14	13	13	13	13	155
Total Suspended Solids	LBS/DAY	Maximum	114	122	165	490	107	505	271	231	280	438	1664	745	1664
Total Suspended Solids	LBS/DAY	Exceedance(>1680)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	LBS/DAY	Monthly Average	43.9	55.6	67	219.8	29.4	95	73.5	67	123.6	124.3	461.5	213.8	461.5

TABLE 78: Pardy's Waste Management (Incinerator Road) 2021 Waste Water Treatment Plant

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	2	2	2	1	1	0	1	2	1	13
Total Silver	UG/L	Maximum	0	0	<0.10	<0.10	<0.10	<0.10	<0.10	0.22	0	<0.10	0.1	<0.10	0.22
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	0.05	0.05	0.05	0.05	0.22	0	0.05	0.075	0.05	0.22
Total Arsenic	UG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Arsenic	UG/L	Maximum	0	0	<1.0	3.2	3.6	1.3	2.4	<1.0	0	1.1	1.3	<1.0	3.6
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	3.1	3.4	0.9	2.4	0.5	0	1.1	0.9	0.5	3.4
Total Barium	MG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Barium	MG/L	Maximum	0	0	0.07	0.099	0.13	0.092	0.12	0.44	0	0.98	0.38	0.2	0.98
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	0.070	0.095	0.125	0.090	0.120	0.440	0	0.980	0.355	0.200	0.980
Total Boron	MG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Boron	MG/L	Maximum	0	0	0.072	0.16	0.23	0.12	0.13	<0.050	0	0.12	0.11	0.32	0.32
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	0.072	0.160	0.220	0.108	0.130	0.025	0	0.120	0.105	0.320	0.320
Biochemical Oxygen Demand	MG/L	# of Samples	1	0	1	2	2	2	1	1	0	1	2	0	13
Biochemical Oxygen Demand	MG/L	Maximum	12	0	<5.0	4.2	2.8	4.9	3.9	<5.0	0	11	15	0	15
Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
Biochemical Oxygen Demand	MG/L	Monthly Average	12	0	2.5	3.35	2.65	3.7	3.9	2.5	0	11	8.75	0	12
Carbonaceous Biochemical Oxygen Demand	MG/L	# of Samples	0	0	0	0	0	0	0	0	0	0	0	1	1
Carbonaceous Biochemical Oxygen Demand	MG/L	Maximum	0	0	0	0	0	0	0	0	0	0	0	<10	<10
Carbonaceous Biochemical Oxygen Demand	MG/L	Exceedance(>20)	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbonaceous Biochemical Oxygen Demand	MG/L	Monthly Average	0	0	0	0	0	0	0	0	0	0	0	5	5
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	0	0	0	1	2	2	0	0	0	0	0	1	6
Cyanide, Strong Acid Dissociable	MG/L	Maximum	0	0	0	<0.0050	<0.0050	<0.0050	0	0	0	0	0	<0.0050	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>0.025)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0	0	0	0.0025	0.0025	0.0025	0	0	0	0	0	0.0025	0.0025
Total Cadmium	MG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Cadmium	MG/L	Maximum	0	0	0.075	0.67	1.1	0.099	<0.010	0.035	0	0.054	0.15	0.075	1.1
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	0.075	0.605	0.920	0.079	0.005	0.035	0	0.054	0.135	0.075	0.920
Total Chromium	MG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Chromium	MG/L	Maximum	0	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0	<1.0	<1.0	<1.0	<1.0
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	0.5	0.5	0.5	0.5	0.5	0.5	0	0.5	0.5	0.5	0.5
Total Copper	MG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Copper	MG/L	Maximum	0	0	0.020	0.079	0.110	0.033	0.004	0.003	0	0.019	0.038	0.028	0.110
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	0.020	0.072	0.098	0.028	0.004	0.003	0	0.019	0.037	0.028	0.098
Total Iron	MG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Iron	MG/L	Maximum	0	0	0.066	0.31	0.26	0.14	0.33	0.055	0	0.48	1.5	0.74	1.5
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	0.066	0.255	0.250	0.120	0.330	0.055	0	0.480	0.925	0.740	0.925
Total Mercury	UG/L	# of Samples	0	0	1	1	1	0	1	1	0	1	2	1	9
Total Mercury	UG/L	Maximum	0	0	<0.013	<0.013	<0.013	0	<0.013	0.025	0	<0.013	<0.013	<0.01	0.025
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	0	0.0065	0.0065	0.0065	0	0.0065	0.0250	0	0.0065	0.0065	0.0050	0.0250

TABLE 78 CONTINUED: Pardy's Waste Management (Incinerator Road) 2021 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Nickel	MG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Nickel	MG/L	Maximum	0	0	0.03	0.13	0.14	0.031	0.03	<0.0020	0	0.027	0.031	0.028	0.14
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	0.030	0.120	0.135	0.031	0.030	0.001	0	0.027	0.031	0.028	0.135
Ammonium + Ammonia Total	MG/L	# of Samples	1	0	1	2	2	2	1	1	0	1	2	1	14
Ammonium + Ammonia Total	MG/L	Maximum	0.53	0	0.081	0.096	0.094	0.44	0.61	0.86	0	1.6	1.1	0.06	1.6
Ammonium + Ammonia Total	MG/L	Exceedance(>2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonium + Ammonia Total	MG/L	Monthly Average	0.530	0	0.081	0.090	0.087	0.315	0.610	0.860	0	1.600	0.625	0.060	1.600
Nitrate, filtered, reactive	MG/L	# of Samples	1	0	1	2	2	2	1	1	0	1	2	1	14
Nitrate, filtered, reactive	MG/L	Maximum	40	0	55	88	75	23	0.1	0.45	0	13	31	35	88
Nitrate, filtered, reactive	MG/L	Exceedance(>10)	1	0	1	2	2	2	0	0	0	1	1	1	11
Nitrate, filtered, reactive	MG/L	Monthly Average	40.0	0	55.0	82.0	74.0	18.0	0.1	0.5	0	13.0	17.3	35.0	82.0
Orthophosphate	MG/L	# of Samples	1	0	0	1	2	2	0	0	0	0	1	1	8
Orthophosphate	MG/L	Maximum	4.9	0	0	6.6	8.2	0.77	0	0	0	0	0.16	0.015	8.2
Orthophosphate	MG/L	Exceedance(>0.436)	1	0	0	1	2	1	0	0	0	0	0	0	5
Orthophosphate	MG/L	Monthly Average	4.9	0	0	6.6	7.85	0.515	0	0	0	0	0.16	0.015	7.85
Total Lead	UG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Lead	UG/L	Maximum	0	0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	<0.50	1.10	<0.50	1.10
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	0.25	0.25	0.25	0.25	0.25	0	0.25	0.68	0.25	0.68
pH	PH UNITS	# of Samples	1	0	1	2	2	2	1	1	0	1	2	1	14
pH	PH UNITS	Maximum	7.22	0	7.03	6.6	6.37	7.27	7.72	7.08	0	7.96	7.7	7.86	7.96
pH	PH UNITS	Minimum	7.22	0	7.03	6.42	6.23	7.05	7.72	7.08	0	7.96	7.67	7.86	6.23
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	UG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Phenolics	UG/L	Maximum	0	0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	0	1.3	<1.0	1	1.3
Phenolics	UG/L	Exceedance(>100)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	UG/L	Monthly Average	0	0	0.50	0.50	0.50	0.85	0.50	0.50	0	1.30	0.50	1.00	1.30
Total Phosphates as P2O5	MG/L	# of Samples	0	0	1	1	0	0	1	1	0	1	1	0	6
Total Phosphates as P2O5	MG/L	Maximum	0	0	0.22	14	0	0	1.9	0.15	0	1.7	0.93	0	14
Total Phosphates as P2O5	MG/L	Exceedance(>1)	0	0	0	1	0	0	1	0	0	1	0	0	3
Total Phosphates as P2O5	MG/L	Monthly Average	0	0	0.22	14	0	0	1.9	0.15	0	1.7	0.93	0	14
Total Selenium	UG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Selenium	UG/L	Maximum	0	0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	<0.50	<0.50	<0.50	<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	0.25	0.25	0.25	0.25	0.25	0.25	0	0.25	0.25	0.25	0.25
Sulphide	MG/L	# of Samples	0	0	0	1	2	2	0	0	0	0	1	1	7
Sulphide	MG/L	Maximum	0	0	0	<0.020	<0.020	0.024	0	0	0	0	0.039	<0.020	0.039
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	0.010	0.010	0.017	0	0	0	0	0.039	0.010	0.039
Calculated TDS	MG/L	# of Samples	0	0	0	1	2	2	0	0	0	0	1	1	7
Calculated TDS	MG/L	Maximum	0	0	0	1000	1100	1000	0	0	0	0	1100	1100	1100
Calculated TDS	MG/L	Exceedance(>1000)	0	0	0	0	1	0	0	0	0	0	1	1	3
Calculated TDS	MG/L	Monthly Average	0	0	0	1000	1050	950	0	0	0	0	1100	1100	1100
TDS Measured	MG/L	# of Samples	1	0	1	1	0	0	1	1	0	1	1	0	7
TDS Measured	MG/L	Maximum	1200	0	1200	1200	0	0	1300	1100	0	1300	1100	0	1300
TDS Measured	MG/L	Exceedance(>1000)	1	0	1	1	0	0	1	1	0	1	1	0	7
TDS Measured	MG/L	Monthly Average	1200	0	1200	1200	0	0	1300	1100	0	1300	1100	0	1300

TABLE 78 CONTINUED: Pardy's Waste Management (Incinerator Road) 2021 Waste Water Treatment Plant

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
TPH (Atlantic PIRI)	MG/L	# of Samples	1	0	1	2	2	2	1	1	0	1	2	1	14
TPH (Atlantic PIRI)	MG/L	Maximum	<0.09	0	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	0	0.2	0.18	<0.090	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	0.045	0	0.045	0.045	0.045	0.045	0.045	0.045	0	0.200	0.113	0.045	0.200
Total Suspended Solids	MG/L	# of Samples	1	0	1	2	2	2	1	1	0	1	2	1	14
Total Suspended Solids	MG/L	Maximum	11	0	2.2	9.6	7	6.4	6.4	2.8	0	22	51	18	51
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0	0	0	1	0	1
Total Suspended Solids	MG/L	Monthly Average	11.0	0	2.2	8.6	7.0	5.8	6.4	2.8	0	22.0	32.5	18.0	32.5
Total Zinc	MG/L	# of Samples	0	0	1	2	2	2	1	1	0	1	2	1	13
Total Zinc	MG/L	Maximum	0	0	0.11	1.3	1.5	0.084	0.019	<0.0050	0	0.038	0.1	0.046	1.5
Total Zinc	MG/L	Exceedance(>0.5)	0	0	0	2	2	0	0	0	0	0	0	0	4
Total Zinc	MG/L	Monthly Average	0	0	0.110	1.150	1.450	0.062	0.019	0.003	0	0.038	0.091	0.046	1.450

TABLE 79: Pardy's Waste Management (Donovan's Industrial Park) 2021 Treated Wastewater

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Boron	MG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Boron	MG/L	Maximum	1.3	0.83	0.86	0.28	0.25	0	0	1.8	1.6	0	1.8	1.2	1.8
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	1.27	0.83	0.53	0.25	0.25	0	0	1.80	1.60	0	1.78	1.15	1.80
Biochemical Oxygen Demand	MG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Biochemical Oxygen Demand	MG/L	Maximum	45	<5.0	<10	<10	5.5	0	0	16	14	0	<5.0	3.3	45
Biochemical Oxygen Demand	MG/L	Exceedance(>300)	0	0	0	0	0	0	0	0	0	0	0	0	0
Biochemical Oxygen Demand	MG/L	Monthly Average	41.67	2.50	4.08	3.33	5.50	0	0	16.00	8.33	0	2.50	2.40	41.67
Cyanide, Strong Acid Dissociable	UG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Cyanide, Strong Acid Dissociable	UG/L	Maximum	5.2	<5.0	<5.0	<5.0	<5.0	0	0	<5.0	<5.0	0	<5.0	<5.0	5.2
Cyanide, Strong Acid Dissociable	UG/L	Exceedance(>2000)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	UG/L	Monthly Average	3.4	2.5	2.5	2.5	2.5	0	0	2.5	2.5	0	2.5	2.5	3.4
Total Cadmium	UG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Cadmium	UG/L	Maximum	0.011	<0.010	<0.010	0.013	<0.010	0	0	<0.010	<0.010	0	<0.010	<0.010	0.013
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	0.0087	0.0050	0.0050	0.0123	0.0050	0	0	0.0050	0.0050	0.0000	0.0050	0.0050	0.0123
Total Chromium	MG/L	# of Samples	3	0	0	0	0	0	0	1	3	0	4	1	12
Total Chromium	MG/L	Maximum	0.0014	0	0	0	0	0	0	0.0017	0.0017	0	0.0015	<0.0010	0.0017
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	0.0014	0	0	0	0	0	0	0.0017	0.0017	0	0.0013	0.0005	0.0017
Total Hexavalent Chromium	UG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Hexavalent Chromium	UG/L	Maximum	2.7	<0.99	<0.99	<0.99	0.53	0	0	<0.99	<0.99	0	<0.99	<0.99	2.7
Total Hexavalent Chromium	UG/L	Exceedance(>50)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hexavalent Chromium	UG/L	Monthly Average	2.63	0.50	0.50	0.50	0.53	0	0	0.50	0.50	0	0.50	0.50	2.63
Total Copper	MG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Copper	MG/L	Maximum	0.027	0.038	0.15	0.084	0.072	0	0	0.014	0.014	0	0.041	0.02	0.15
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	0.027	0.038	0.117	0.076	0.072	0	0	0.014	0.014	0	0.040	0.020	0.117
Total Iron	MG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Iron	MG/L	Maximum	<0.05	<0.050	<0.050	<0.050	<0.050	0	0	0.068	0.069	0	<0.050	<0.050	0.069
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	0.025	0.025	0	0	0.068	0.068	0	0.025	0.025	0.068
Total Mercury	UG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Mercury	UG/L	Maximum	0.013	<0.013	<0.013	0.025	<0.013	0	0	0.013	0.013	0	<0.013	<0.013	0.025
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	0.0087	0.0065	0.0065	0.0127	0.0065	0	0	0.0130	0.0130	0	0.0065	0.0065	0.0130
Total Nickel	MG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Nickel	MG/L	Maximum	0.026	0.016	0.016	0.0061	0.0063	0	0	0.028	0.027	0	0.03	0.023	0.03
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	0.025	0.016	0.011	0.006	0.006	0	0	0.028	0.027	0	0.029	0.021	0.029
Total Lead	UG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Lead	UG/L	Maximum	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	<0.50	<0.50	0	<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	0	0.25	0.25	0	0.25	0.25	0.25
pH	PH UNITS	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
pH	PH UNITS	Maximum	7.63	7.92	7.95	7.78	7.62	0	0	7.6	7.66	0	8.08	8.02	8.08
pH	PH UNITS	Minimum	7.56	7.92	7.7	7.54	7.62	0	0	7.6	7.59	0	8.04	7.99	7.54
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 79 CONTINUED: Pardy's Waste Management (Donovan's Industrial Park) 2021 Treated Wastewater

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Phenolics	UG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Phenolics	UG/L	Maximum	2.4	<1.0	2.4	<1.0	<1.0	0	0	10	10	0	1.3	<1.0	10
Phenolics	UG/L	Exceedance(>500)	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenolics	UG/L	Monthly Average	2.33	0.50	0.98	0.50	0.50	0	0	10.00	9.90	0	1.23	0.50	10.00
Total Phosphates as P2O5	MG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Phosphates as P2O5	MG/L	Maximum	2.8	1.9	2.1	0.71	0.7	0	0	4	4.1	0	4.2	2.8	4.2
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	2.80	1.90	1.31	0.63	0.70	0	0	4.00	4.03	0	4.08	2.55	4.08
TPH (Atlantic PIRI)	MG/L	# of Samples	0	1	4	3	1	0	0	1	3	0	4	2	19
TPH (Atlantic PIRI)	MG/L	Maximum	0	0.27	0.29	<0.10	<0.090	0	0	0.71	0.79	0	<0.097	0.14	0.79
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	0.270	0.106	0.048	0.045	0	0	0.710	0.683	0	0.048	0.094	0.710
Total Suspended Solids	MG/L	# of Samples	0	1	4	3	1	0	0	1	3	0	4	2	19
Total Suspended Solids	MG/L	Maximum	0	1.4	1.4	1	1	0	0	5	5	0	1.2	3.2	5
Total Suspended Solids	MG/L	Exceedance(>350)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	1.40	1.08	0.67	1.00	0	0	5.00	3.13	0	1.05	2.20	5.00
Total Zinc	UG/L	# of Samples	3	1	4	3	1	0	0	1	3	0	4	2	22
Total Zinc	UG/L	Maximum	7.2	8.1	17	13	12	0	0	5.7	<5.0	0	8.8	9.1	17
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	6.8	8.1	13.5	12.7	12.0	0	0	5.7	2.5	0	8.5	8.3	12.5

TABLE 80: Rambler Metals and Mining 2021 No. 2 Polishing Pond - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	3	3	3	4	17
Total Arsenic	MG/L	Maximum	0.0014	0.074	0.0013	0.0013	0.0015	0.074
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0011	0.0257	0.0012	0.0013	0.0013	0.0257
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	4	3	3	3	4	17
Cyanide, Strong Acid Dissociable	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2.0)	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Copper	MG/L	# of Samples	4	3	3	3	4	17
Total Copper	MG/L	Maximum	0.022	0.038	0.025	0.027	0.028	0.038
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.019	0.019	0.024	0.026	0.026	0.026
Total Nickel	MG/L	# of Samples	4	3	3	3	4	17
Total Nickel	MG/L	Maximum	0.0023	0.0022	0.0017	0.0014	0.0016	0.0023
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0018	0.0018	0.0015	0.0013	0.0015	0.0018
Total Lead	MG/L	# of Samples	4	3	3	3	4	17
Total Lead	MG/L	Maximum	0.002	0.0031	0.0017	0.0028	0.0044	0.0044
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0016	0.0020	0.0015	0.0027	0.0039	0.0039
pH	PH UNITS	# of Samples	4	3	3	3	4	17
pH	PH UNITS	Maximum	8.32	7.84	7.58	6.77	7.98	8.32
pH	PH UNITS	Minimum	7.54	6.26	7.06	6.23	7.27	6.23
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	3	3	3	4	17
Radium-226	BQ/L	Maximum	0.006	0.006	<0.005	<0.005	0.008	0.008
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0034	0.0037	0.0025	0.0025	0.0050	0.0050
Total Suspended Solids	MG/L	# of Samples	4	3	3	3	4	17
Total Suspended Solids	MG/L	Maximum	1	<1	<1	2	4	4
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.63	0.50	0.50	1.17	1.75	1.75
Total Zinc	MG/L	# of Samples	4	3	3	3	4	17
Total Zinc	MG/L	Maximum	0.053	0.082	0.057	0.069	0.059	0.082
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.041	0.063	0.052	0.058	0.055	0.063

TABLE 81: Rambler Metals and Mining 2021 No. 2 Polishing Pond - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	2	0	0	1	1	1	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	2	0	0	1	1	1	6
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	2	0	0	1	1	1	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	2	0	0	1	1	1	6
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	1	1	0	0	3	4	3	12
Total Arsenic	MG/L	Maximum	0.0015	0.0011	0	0	0.001	0.0006	0.00054	0.0015
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00150	0.00110	0	0	0.00067	0.00053	0.00052	0.00150
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	1	1	0	0	3	4	3	12
Cyanide, Strong Acid Dissociable	MG/L	Maximum	<0.0050	<0.0050	0	0	<0.0050	<0.0050	<0.002	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.0025	0.0025	0	0	0.0025	0.0021	0.0010	0.0025
Total Copper	MG/L	# of Samples	1	1	0	0	3	4	3	12
Total Copper	MG/L	Maximum	0.026	0.012	0	0	0.0098	0.009	0.009	0.026
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0260	0.0120	0	0	0.0091	0.0083	0.0088	0.0260
Un-ionized Ammonia	MG/L	# of Samples	1	1	0	0	0	0	0	2
Un-ionized Ammonia	MG/L	Maximum	0.01	0.002	0	0	0	0	0	0.01
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.01	0.002	0	0	0	0	0	0.01
Total Nickel	MG/L	# of Samples	1	1	0	0	3	4	3	12
Total Nickel	MG/L	Maximum	0.0015	0.0013	0	0	0.0011	0.0009	0.00086	0.0015
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0015	0.0013	0	0	0.0007	0.0009	0.0008	0.0015
Total Lead	MG/L	# of Samples	1	1	0	0	3	4	3	12
Total Lead	MG/L	Maximum	0.0044	0.0006	0	0	0.0002	0.0002	0.00016	0.0044
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00440	0.00058	0	0	0.00015	0.00012	0.00014	0.00440
pH	PH UNITS	# of Samples	1	1	0	0	3	4	3	12
pH	PH UNITS	Maximum	7.07	6.86	0	0	6.57	8.02	7.7	8.02
pH	PH UNITS	Minimum	7.07	6.86	0	0	6.18	7.11	6.97	6.18
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	1	0	0	3	4	3	12
Radium-226	BQ/L	Maximum	<0.005	<0.006	0	0	<0.005	0.01	<0.005	0.01
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0.0030	0	0	0.0025	0.0044	0.0025	0.0044
Total Suspended Solids	MG/L	# of Samples	1	1	0	0	3	4	3	12
Total Suspended Solids	MG/L	Maximum	1	<1	0	0	1	2	<1	2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.00	0.50	0	0	0.67	0.88	0.50	1.00
Total Zinc	MG/L	# of Samples	1	1	0	0	3	4	3	12
Total Zinc	MG/L	Maximum	0.049	0.029	0	0	0.018	0.017	0.014	0.049
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.049	0.029	0	0	0.017	0.014	0.014	0.049

TABLE 82: Rambler Metals and Mining 2021 Treated Mine Effluent - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	3	4	3	4	4	18
Total Arsenic	MG/L	Maximum	0.0038	0.054	0.0022	0.0055	0.005	0.054
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0028	0.0162	0.0016	0.0040	0.0037	0.0162
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	3	4	3	4	4	18
Cyanide, Strong Acid Dissociable	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>2.0)	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Copper	MG/L	# of Samples	3	4	3	4	4	18
Total Copper	MG/L	Maximum	0.0518	0.031	0.016	0.22	0.088	0.22
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0391	0.0158	0.0103	0.1303	0.0658	0.1303
Total Nickel	MG/L	# of Samples	3	4	3	4	4	18
Total Nickel	MG/L	Maximum	0.0023	0.0018	0.00094	0.0032	0.0025	0.0032
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0018	0.0013	0.0006	0.0023	0.0021	0.0023
Total Lead	MG/L	# of Samples	3	4	3	4	4	18
Total Lead	MG/L	Maximum	0.00102	0.0014	0.00015	0.0028	0.0031	0.0031
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.0009	0.0009	0.0001	0.0016	0.0018	0.0018
pH	PH UNITS	# of Samples	3	4	3	4	4	18
pH	PH UNITS	Maximum	8.35	8.51	8.23	8.86	8.51	8.86
pH	PH UNITS	Minimum	7.27	6.63	8.08	7.17	8.23	6.63
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	3	4	3	4	4	18
Radium-226	BQ/L	Maximum	0.008	0.03	0.008	0.02	0.02	0.03
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0055	0.0108	0.0058	0.0083	0.0099	0.0108
Total Suspended Solids	MG/L	# of Samples	3	4	3	4	4	18
Total Suspended Solids	MG/L	Maximum	3	2	2	8	5	8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.17	1.38	1.33	5.75	2.13	5.75
Total Zinc	MG/L	# of Samples	3	4	3	4	4	18
Total Zinc	MG/L	Maximum	0.255	0.12	0.064	0.51	0.21	0.51
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.185	0.080	0.038	0.306	0.151	0.306

TABLE 83: Rambler Metals and Mining 2021 Treated Mine Effluent – June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	2	1	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	2	1	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	2	1	1	1	1	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	2	1	1	1	1	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	3	4	4	4	4	4	3	26
Total Arsenic	MG/L	Maximum	0.0019	0.0017	0.0025	0.0043	0.0038	0.0019	0.0025	0.0043
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0018	0.0016	0.0013	0.0028	0.0019	0.0012	0.002	0.0028
Cyanide, Strong Acid Dissociable	MG/L	# of Samples	3	4	4	4	4	4	3	26
Cyanide, Strong Acid Dissociable	MG/L	Maximum	<0.0050	0.0058	<0.0050	<0.0050	<0.0050	<0.0050	<0.002	0.0058
Cyanide, Strong Acid Dissociable	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Cyanide, Strong Acid Dissociable	MG/L	Monthly Average	0.0025	0.0033	0.0025	0.0025	0.0025	0.0021	0.0008	0.0033
Total Copper	MG/L	# of Samples	3	4	4	4	4	4	3	26
Total Copper	MG/L	Maximum	0.054	0.022	0.0044	0.149	0.136	0.07	0.082	0.149
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.041	0.0129	0.0023	0.1063	0.0717	0.0332	0.0623	0.1063
Un-ionized Ammonia	MG/L	# of Samples	3	4	4	4	0	0	0	15
Un-ionized Ammonia	MG/L	Maximum	0.24	0.034	0.098	0.04	0	0	0	0.24
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.09	0.025	0.046	0.028	0	0	0	0.09
Total Nickel	MG/L	# of Samples	3	4	4	4	4	4	3	26
Total Nickel	MG/L	Maximum	0.0075	0.0055	0.004	0.001	0.0018	0.0031	0.0016	0.0075
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0033	0.003	0.0012	0.0007	0.001	0.0015	0.0013	0.0033
Total Lead	MG/L	# of Samples	3	4	4	4	4	4	3	26
Total Lead	MG/L	Maximum	0.0012	0.0004	<0.00003	<0.00009	0.0004	0.0001	0.000081	0.0012
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00089	0.0002	0.00002	0.00004	0.00014	0.00006	0.00006	0.00089
pH	PH UNITS	# of Samples	3	4	4	4	4	4	3	26
pH	PH UNITS	Maximum	8.15	7.28	8.03	7.06	7.59	8.08	7.45	8.15
pH	PH UNITS	Minimum	7.3	6.76	7.82	6.22	6.14	7.16	7.13	6.14
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	3	4	4	4	4	4	3	26
Radium-226	BQ/L	Maximum	0.01	0.02	0.02	0.024	0.04	0.027	0.072	0.072
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.0085	0.0113	0.016	0.0325	0.0149	0.0407	0.0407
Total Suspended Solids	MG/L	# of Samples	3	4	4	4	4	4	3	26
Total Suspended Solids	MG/L	Maximum	3	3	1	1	4	3	5	5
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2	1.13	0.63	0.63	1.75	1.13	2.67	2.67
Total Zinc	MG/L	# of Samples	3	4	4	4	4	4	3	26
Total Zinc	MG/L	Maximum	0.15	0.093	0.0093	0.142	0.137	0.29	0.23	0.29
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.1333	0.0478	0.0052	0.0985	0.0765	0.1385	0.19	0.19

TABLE 84: Tacora Resources (Wabush) 2021 East Pit 2 Dewatering – January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	5	22
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	5	4	5	22
Total Copper	MG/L	Maximum	<0.00050	0.00054	0.0011	0.00061	0.0018	0.0018
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00025	0.00033	0.00042	0.00034	0.00068	0.00068
Total Nickel	MG/L	# of Samples	4	4	5	4	5	22
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	5	4	5	22
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	4	4	5	4	5	22
pH	PH UNITS	Maximum	7.34	7.26	7.34	7.27	7.64	7.64
pH	PH UNITS	Minimum	7.1	7.18	7.2	7.14	7.24	7.1
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	5	22
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	5	22
Total Suspended Solids	MG/L	Maximum	2	1.2	1.4	3.2	1.8	3.2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.3125	0.4875	0.88	1.5	1.22	1.5
Total Zinc	MG/L	# of Samples	4	4	5	4	5	22
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025

TABLE 85: Tacora Resources (Wabush) 2021 East Pit 2 Dewatering - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Arsenic	MG/L	Maximum	<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
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Copper	MG/L	Maximum	0.00075	0.00051	0.00064	<0.00050	<0.00050	0.00073	0.0037	0.0037
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00038	0.00032	0.00033	0.00025	0.00025	0.00035	0.00143	0.00143
Un-ionized Ammonia	MG/L	# of Samples	4	4	5	4	4	5	4	30
Un-ionized Ammonia	MG/L	Maximum	<0.0011	0.0005	<0.00085	<0.003	<0.0011	0.0013	<0.0005	<0.003
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00043	0.00039	0.00031	0.00080	0.00033	0.00055	0.00025	0.00080
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0024	0.0024
Total Nickel	MG/L	Exceedance(>1.0)	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	0.0014	0.0014
Total Lead	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00053	0.00053
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00032	0.00032
pH	PH UNITS	# of Samples	4	4	5	4	4	5	4	30
pH	PH UNITS	Maximum	7.62	7.58	7.52	7.54	7.64	7.49	7.39	7.64
pH	PH UNITS	Minimum	7.48	7.11	7.34	7.42	7.38	7.17	7.25	7.11
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	4	5	4	30
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	6	4	31
Total Suspended Solids	MG/L	Maximum	1.6	3	3.6	1.4	3.8	3	<1.0	3.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.13	2.00	2.32	1.13	1.45	1.27	0.50	2.32
Total Zinc	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Zinc	MG/L	Maximum	<0.0050	0.015	<0.0050	0.0053	<0.0050	0.0058	0.0073	0.015
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0056	0.0025	0.0032	0.0025	0.0032	0.0037	0.0056

TABLE 86: Tacora Resources (Wabush) 2021 Flora Lake Discharge – January – May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	5	22
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	5	4	5	22
Total Copper	MG/L	Maximum	<0.00050	0.00086	0.00076	0.00099	0.00092	0.00099
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00025	0.00058	0.00035	0.00044	0.00038	0.00058
Total Nickel	MG/L	# of Samples	4	4	5	4	5	22
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	5	4	5	22
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	4	4	5	4	5	22
pH	PH UNITS	Maximum	7.56	7.45	7.51	7.63	7.7	7.7
pH	PH UNITS	Minimum	7.31	7.37	7.41	7.37	7.3	7.3
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	5	22
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	5	22
Total Suspended Solids	MG/L	Maximum	8.8	4.5	4.5	6	7	8.8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	5.38	3.33	2.42	5.03	4.64	5.38
Total Zinc	MG/L	# of Samples	4	4	5	4	5	22
Total Zinc	MG/L	Maximum	0.0053	0.0071	0.0084	<0.0050	<0.0050	0.0084
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0032	0.0037	0.0045	0.0025	0.0025	0.0045

TABLE 87: Tacora Resources (Wabush) 2021 Flora Lake Discharge – June – December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Arsenic	MG/L	Maximum	<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
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Copper	MG/L	Maximum	<0.00050	<0.00050	0.0026	<0.00050	0.00084	0.00059	<0.00050	0.0026
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00025	0.00025	0.00072	0.00025	0.00049	0.00032	0.00025	0.00072
Un-ionized Ammonia	MG/L	# of Samples	4	4	5	4	4	5	4	30
Un-ionized Ammonia	MG/L	Maximum	<0.00055	<0.0013	0.0029	<0.0035	<0.0012	0.0013	<0.0005	0.0029
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00026	0.00047	0.00127	0.00116	0.00040	0.00048	0.00025	0.00127
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	4	4	5	4	4	5	4	30
pH	PH UNITS	Maximum	7.72	7.69	7.72	7.73	7.81	7.71	7.72	7.81
pH	PH UNITS	Minimum	7.58	7.57	7.45	7.67	7.47	7.44	7.59	7.44
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	4	5	4	30
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Suspended Solids	MG/L	Maximum	7.2	3.4	4	4.2	2.8	5.6	3.4	7.2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	5.48	2.65	1.80	2.40	1.73	2.08	2.05	5.48
Total Zinc	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Zinc	MG/L	Maximum	0.044	<0.0050	0.024	<0.0050	0.0068	<0.0050	<0.0050	0.044
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0129	0.0025	0.0089	0.0025	0.0036	0.0025	0.0025	0.0129

TABLE 88: Tacora Resources (Wabush) 2021 Knoll Lake Discharge (Settling Basin) – January – May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	2	3	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	2	3	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	2	3	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	2	3	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	6	23
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	0.011	0.011
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0023	0.0023
Total Copper	MG/L	# of Samples	4	4	5	4	6	23
Total Copper	MG/L	Maximum	0.00075	<0.00050	<0.00050	0.00089	0.25	0.25
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00038	0.00025	0.00025	0.00041	0.04282	0.04282
Total Nickel	MG/L	# of Samples	4	4	5	4	6	23
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	0.26	0.26
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0010	0.0010	0.0010	0.0446	0.0446
Total Lead	MG/L	# of Samples	4	4	5	4	6	23
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	0.075	0.075
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.01450	0.01450
pH	PH UNITS	# of Samples	4	4	5	4	6	23
pH	PH UNITS	Maximum	7.42	7.35	7.53	7.5	7.83	7.83
pH	PH UNITS	Minimum	7.15	7.25	7.33	7.21	7.49	7.15
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	6	23
Radium-226	BQ/L	Maximum	<0.010	<0.010	<0.010	<0.010	0.09	0.09
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.019	0.019
Total Suspended Solids	MG/L	# of Samples	4	4	5	11	12	36
Total Suspended Solids	MG/L	Maximum	8.2	2.6	2.2	42	5700	5700
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	2	2	4
Total Suspended Solids	MG/L	Monthly Average	3.81	1.39	1.42	10.77	486.38	486.38
Total Zinc	MG/L	# of Samples	4	4	5	4	6	23
Total Zinc	MG/L	Maximum	<0.0050	<0.0050	0.0098	0.0056	0.49	0.49
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0025	0.0047	0.0158	0.0874	0.0874

TABLE 89: Tacora Resources (Wabush) 2021 Knoll Lake Discharge (Settling Basin) – June – December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	1	1	0	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	1	1	0	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	1	1	0	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	1	1	0	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	3	0	3	1	0	3	5	15
Total Arsenic	MG/L	Maximum	<0.0010	0	<0.0010	<0.0010	0	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0	0.0005	0.0005	0	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	3	0	3	1	0	3	5	15
Total Copper	MG/L	Maximum	0.019	0	0.0005	<0.00050	0	0.00071	<0.00050	0.019
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00650	0	0.00033	0.00025	0	0.00040	0.00025	0.00650
Un-ionized Ammonia	MG/L	# of Samples	3	0	3	1	0	3	5	15
Un-ionized Ammonia	MG/L	Maximum	<0.0005	0	<0.0015	<0.0011	0	<0.0005	<0.0005	<0.0015
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00025	0	0.00046	0.00055	0	0.00025	0.00025	0.00055
Total Nickel	MG/L	# of Samples	3	0	3	1	0	3	5	15
Total Nickel	MG/L	Maximum	<0.0020	0	<0.0020	<0.0020	0	<0.0020	<0.0020	<0.0020
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0	0.001	0.001	0	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	3	0	3	1	0	3	5	15
Total Lead	MG/L	Maximum	<0.00050	0	<0.00050	<0.00050	0	<0.00050	0.00055	0.00055
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0	0.00025	0.00025	0	0.00025	0.00031	0.00031
pH	PH UNITS	# of Samples	3	0	3	1	0	3	5	15
pH	PH UNITS	Maximum	7.59	0	7.52	7.44	0	7.48	7.57	7.59
pH	PH UNITS	Minimum	7.42	0	7.46	7.44	0	7.23	7.39	7.23
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	3	0	3	1	0	3	5	15
Radium-226	BQ/L	Maximum	<0.010	0	<0.010	<0.010	0	<0.010	<0.010	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.005	0	0.005	0.005	0	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	3	0	3	1	0	3	5	15
Total Suspended Solids	MG/L	Maximum	1.8	0	3	1	0	1.8	1	3
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.4	0	1.7	1	0	0.9	0.6	1.7
Total Zinc	MG/L	# of Samples	3	0	3	1	0	3	5	15
Total Zinc	MG/L	Maximum	<0.0050	0	<0.0050	<0.0050	0	<0.0050	<0.0050	<0.0050
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0	0.0025	0.0025	0	0.0025	0.0025	0.0025

TABLE 90: Tacora Resources (Wabush) 2021 Tailings Line Emergency Dump Basin (Settling Basin) - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	2	4	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	2	4	1	9
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	2	4	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	2	4	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	2	4	5	3	18
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	0.0014	0.0019	<0.0010	0.0019
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0009	0.0012	0.0005	0.0012
Total Copper	MG/L	# of Samples	4	2	4	5	3	18
Total Copper	MG/L	Maximum	0.0018	0.00082	0.0063	0.0066	0.0014	0.0066
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00100	0.00067	0.00309	0.00536	0.00095	0.00536
Total Nickel	MG/L	# of Samples	4	2	4	5	3	18
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	0.0071	0.0075	<0.0020	0.0075
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.0010	0.0010	0.0038	0.0054	0.0010	0.0054
Total Lead	MG/L	# of Samples	4	2	4	5	3	18
Total Lead	MG/L	Maximum	0.0008	<0.00050	0.0012	0.0017	<0.00050	0.0017
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00039	0.00025	0.00068	0.00106	0.00025	0.00106
pH	PH UNITS	# of Samples	4	2	4	5	3	18
pH	PH UNITS	Maximum	7.44	7.4	7.53	7.5	7.78	7.78
pH	PH UNITS	Minimum	7.19	7.36	7.32	7.22	7.48	7.19
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	2	4	4	3	17
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	2	6	39	5	56
Total Suspended Solids	MG/L	Maximum	8.8	5	54	120	15	120
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	2	14	0	16
Total Suspended Solids	MG/L	Monthly Average	5.0	3.9	25.2	30.4	8.5	30.4
Total Zinc	MG/L	# of Samples	4	2	4	5	3	18
Total Zinc	MG/L	Maximum	0.0024	0.01	0.019	0.019	0.0095	0.019
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0017	0.0094	0.0123	0.0166	0.0087	0.0166

TABLE 91: Tacora Resources (Wabush) 2021 Tailings Line Emergency Dump Basin (Settling Basin) - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	2	1	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	2	1	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	2	1	1	1	1	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	2	1	1	1	1	1	8
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	3	4	4	4	4	5	2	26
Total Arsenic	MG/L	Maximum	<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
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	3	4	4	4	4	5	2	26
Total Copper	MG/L	Maximum	0.00068	0.0025	0.0059	0.00059	0.0019	<0.00050	0.0018	0.0059
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00048	0.00129	0.00230	0.00034	0.00075	0.00025	0.00126	0.00230
Un-ionized Ammonia	MG/L	# of Samples	3	4	4	4	4	5	2	26
Un-ionized Ammonia	MG/L	Maximum	0.002	<0.0023	0.0008	0.0034	0.0019	0.0018	<0.0005	0.0034
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00163	0.00082	0.00064	0.00131	0.00103	0.00084	0.00025	0.00163
Total Nickel	MG/L	# of Samples	3	4	4	4	4	5	2	26
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0022	0.0022
Total Nickel	MG/L	Exceedance(>1.0)	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	0.0016	0.0016
Total Lead	MG/L	# of Samples	3	4	4	4	4	5	2	26
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	3	4	4	4	4	5	2	26
pH	PH UNITS	Maximum	7.63	7.8	7.73	7.79	7.74	7.66	7.5	7.8
pH	PH UNITS	Minimum	7.43	7.51	7.67	7.71	7.48	7.33	7.4	7.33
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	3	4	4	4	4	5	2	26
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	5	10	4	4	5	5	2	35
Total Suspended Solids	MG/L	Maximum	10	44	2.8	4.2	6	7.2	17	44
Total Suspended Solids	MG/L	Exceedance(>30)	0	1	0	0	0	0	0	1
Total Suspended Solids	MG/L	Monthly Average	7.8	11.7	1.5	3.0	5.0	4.6	11.4	11.7
Total Zinc	MG/L	# of Samples	3	4	4	4	4	5	2	26
Total Zinc	MG/L	Maximum	0.0073	0.012	0.0072	<0.0050	0.0085	0.009	0.011	0.012
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0041	0.0075	0.0044	0.0025	0.0066	0.0077	0.0105	0.0105

TABLE 92: Tacora Resources (Wabush) 2021 West Pit Dewatering (Settling Basin) - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	5	22
Total Arsenic	MG/L	Maximum	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	5	4	5	22
Total Copper	MG/L	Maximum	0.0005	0.00072	0.00063	0.0013	<0.00050	0.0013
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00031	0.00037	0.00033	0.00051	0.00025	0.00051
Total Nickel	MG/L	# of Samples	4	4	5	4	5	11
Total Nickel	MG/L	Maximum	<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
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.001	0.001
Total Lead	MG/L	# of Samples	4	4	5	4	5	22
Total Lead	MG/L	Maximum	<0.00050	0.00067	<0.00050	<0.00050	<0.00050	<0.00050
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00036	0.00025	0.00025	0.00025	0.00025
pH	PH UNITS	# of Samples	4	4	5	4	5	22
pH	PH UNITS	Maximum	7.6	7.53	7.63	7.7	7.77	7.77
pH	PH UNITS	Minimum	7.37	7.44	7.46	7.55	7.54	7.37
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	5	22
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	5	22
Total Suspended Solids	MG/L	Maximum	5.4	2.6	1.2	1.6	1.6	5.4
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.23	1.13	0.84	0.78	1.32	2.23
Total Zinc	MG/L	# of Samples	4	4	5	4	5	22
Total Zinc	MG/L	Maximum	<0.0050	0.0077	0.0055	<0.0050	0.0069	0.0077
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0025	0.0045	0.0037	0.0025	0.0039	0.0045

TABLE 93: Tacora Resources (Wabush) 2021 West Pit Dewatering (Settling Basin) - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	2	1	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	2	1	1	1	1	1	8
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	2	2	1	1	1	1	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	2	2	1	1	1	1	1	9
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Arsenic	MG/L	Maximum	<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
Total Arsenic	MG/L	Monthly Average	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Copper	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Copper	MG/L	Maximum	0.00094	0.0011	0.00056	0.00075	<0.00050	<0.00050	0.0011	0.0011
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.00053	0.00046	0.00031	0.00045	0.00025	0.00025	0.00046	0.00053
Un-ionized Ammonia	MG/L	# of Samples	4	4	5	4	4	5	4	30
Un-ionized Ammonia	MG/L	Maximum	<0.0011	<0.001	<0.0019	<0.0031	<0.001	0.003	<0.0005	0.003
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0.00035	0.00032	0.00046	0.00083	0.00034	0.00090	0.00025	0.00090
Total Nickel	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Nickel	MG/L	Maximum	<0.0020	<0.0020	<0.0020	<0.0020	0.0026	<0.0020	<0.0020	0.0026
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.001	0.001	0.001	0.001	0.0014	0.001	0.001	0.0014
Total Lead	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Lead	MG/L	Maximum	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00084	0.00084
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00040	0.00040
pH	PH UNITS	# of Samples	4	4	5	4	4	5	4	30
pH	PH UNITS	Maximum	7.79	7.77	7.72	7.74	7.76	7.69	7.76	7.79
pH	PH UNITS	Minimum	7.64	7.53	7.63	7.67	7.52	7.44	7.62	7.44
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	4	4	5	4	4	5	4	30
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Suspended Solids	MG/L	Maximum	1.4	3.4	1.6	1	1.4	2.2	1.6	3.4
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0.90	1.68	1.12	0.63	0.98	1.22	0.95	1.68
Total Zinc	MG/L	# of Samples	4	4	5	4	4	5	4	30
Total Zinc	MG/L	Maximum	0.0062	0.008	<0.0050	<0.0050	0.0055	<0.0050	0.0059	0.008
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.0034	0.0047	0.0025	0.0025	0.0033	0.0025	0.0034	0.0047

TABLE 94: Tata Steel Minerals Canada Limited 2021 COASW11 - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	0	0
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	1	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	0	0	1	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	0	0	0	0	2	2
Total Arsenic	UG/L	Maximum	0	0	0	0	1.5	1.5
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	0	1	1
Total Copper	UG/L	# of Samples	0	0	0	0	2	2
Total Copper	UG/L	Maximum	0	0	0	0	3.7	3.7
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	0	3.5	3.5
Total Nickel	UG/L	# of Samples	0	0	0	0	2	2
Total Nickel	UG/L	Maximum	0	0	0	0	2.6	2.6
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	0	1.8	1.8
Total Lead	UG/L	# of Samples	0	0	0	0	2	2
Total Lead	UG/L	Maximum	0	0	0	0	1.1	1.1
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	0	0.68	0.68
pH	PH UNITS	# of Samples	0	0	0	0	2	2
pH	PH UNITS	Maximum	0	0	0	0	6.52	6.52
pH	PH UNITS	Minimum	0	0	0	0	4.16	4.16
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	1	1
Radium-226	BQ/L	# of Samples	0	0	0	0	1	1
Radium-226	BQ/L	Maximum	0	0	0	0	<0.005	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0	0	0	0.0025	0.0025
Total Suspended Solids	MG/L	# of Samples	0	0	0	0	2	2
Total Suspended Solids	MG/L	Maximum	0	0	0	0	65	65
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	1	1
Total Suspended Solids	MG/L	Monthly Average	0	0	0	0	37	37
Total Zinc	UG/L	# of Samples	0	0	0	0	2	2
Total Zinc	UG/L	Maximum	0	0	0	0	49	49
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	0	46.5	46.5

TABLE 95: Tata Steel Minerals Canada Limited 2021 COASW11 - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	2	0	0	0	0	0	0	2
Total Arsenic	UG/L	Maximum	<1.0	0	0	0	0	0	0	<1.0
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0.5	0	0	0	0	0	0	0.5
Total Copper	UG/L	# of Samples	2	0	0	0	0	0	0	2
Total Copper	UG/L	Maximum	1.9	0	0	0	0	0	0	1.9
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1.5	0	0	0	0	0	0	1.5
Total Nickel	UG/L	# of Samples	2	0	0	0	0	0	0	2
Total Nickel	UG/L	Maximum	<2.0	0	0	0	0	0	0	<2.0
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	1	0	0	0	0	0	0	1
Total Lead	UG/L	# of Samples	2	0	0	0	0	0	0	2
Total Lead	UG/L	Maximum	0.56	0	0	0	0	0	0	0.56
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.41	0	0	0	0	0	0	0.41
pH	PH UNITS	# of Samples	2	0	0	0	0	0	0	2
pH	PH UNITS	Maximum	6.41	0	0	0	0	0	0	6.41
pH	PH UNITS	Minimum	6.34	0	0	0	0	0	0	6.34
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	2	0	0	0	0	0	0	2
Radium-226	BQ/L	Maximum	<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
Radium-226	BQ/L	Monthly Average	0.0025	0	0	0	0	0	0	0.0025
Total Suspended Solids	MG/L	# of Samples	2	0	0	0	0	0	0	2
Total Suspended Solids	MG/L	Maximum	12	0	0	0	0	0	0	12
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	8	0	0	0	0	0	0	8
Total Zinc	UG/L	# of Samples	2	0	0	0	0	0	0	2
Total Zinc	UG/L	Maximum	120	0	0	0	0	0	0	120
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	87.5	0	0	0	0	0	0	87.5

TABLE 96: Teck Resources (Millertown) 2021 Dam C - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	4	4	5	4	4	21
Total Arsenic	MG/L	Maximum	0.0005	0.0006	0.0005	0.0004	0.0004	0.0006
Total Arsenic	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00045	0.00045	0.00044	0.00033	0.00035	0.00045
Cyanide (Total Available, unfiltered)	MG/L	# of Samples	4	4	5	4	4	21
Cyanide (Total Available, unfiltered)	MG/L	Maximum	0.005	<0.005	<0.005	<0.01	<0.005	0.005
Cyanide (Total Available, unfiltered)	MG/L	Exceedance(>2)	0	0	0	0	0	0
Cyanide (Total Available, unfiltered)	MG/L	Monthly Average	0.0031	0.0025	0.0025	0.0031	0.0025	0.0031
Total Copper	MG/L	# of Samples	4	4	5	4	4	21
Total Copper	MG/L	Maximum	0.0203	0.02	0.0224	0.0361	0.0248	0.0361
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0166	0.0159	0.0164	0.0277	0.0198	0.0277
Total Nickel	MG/L	# of Samples	4	4	5	4	4	21
Total Nickel	MG/L	Maximum	0.0004	0.0004	0.0024	0.0015	0.0017	0.0024
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.00035	0.00033	0.00084	0.00128	0.00150	0.00150
Total Lead	MG/L	# of Samples	4	4	5	4	4	21
Total Lead	MG/L	Maximum	0.0012	0.00084	0.00165	0.00139	0.00372	0.00372
Total Lead	MG/L	Exceedance(>0.4)	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00092	0.00059	0.00057	0.00092	0.00187	0.00187
pH	PH UNITS	# of Samples	4	4	5	4	4	21
pH	PH UNITS	Maximum	7.23	7.3	7.52	7.33	7.45	7.52
pH	PH UNITS	Minimum	7.09	6.86	7.08	7.02	7.07	6.86
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	1	1	1	1	5
Radium-226	BQ/L	Maximum	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	21
Total Suspended Solids	MG/L	Maximum	2	3	2	3	3	3
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.3	1.5	1.4	2.0	1.8	2.0
Total Zinc	MG/L	# of Samples	4	4	5	4	4	21
Total Zinc	MG/L	Maximum	0.049	0.06	0.358	0.247	0.231	0.358
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.043	0.056	0.142	0.216	0.216	0.216

TABLE 97: Teck Resources (Millertown) 2021 Dam C - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	1	1	1	1	1	1	7
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Arsenic	MG/L	Maximum	0.0005	0.0005	0.0007	0.0006	0.0008	0.0007	0.0012	0.0012
Total Arsenic	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Arsenic	MG/L	Monthly Average	0.00042	0.00045	0.00058	0.0005	0.0006	0.0005	0.00065	0.00065
Cyanide (Total Available, unfiltered)	MG/L	# of Samples	5	4	5	4	4	5	4	31
Cyanide (Total Available, unfiltered)	MG/L	Maximum	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01
Cyanide (Total Available, unfiltered)	MG/L	Exceedance(>1)	0	0	0	0	0	0	0	0
Cyanide (Total Available, unfiltered)	MG/L	Monthly Average	0.0025	0.0025	0.0025	0.0025	0.0025	0.003	0.0025	0.003
Total Copper	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Copper	MG/L	Maximum	0.0213	0.0145	0.0179	0.0153	0.0143	0.0146	0.0155	0.0213
Total Copper	MG/L	Exceedance(>0.6)	0	0	0	0	0	0	0	0
Total Copper	MG/L	Monthly Average	0.0133	0.0133	0.0159	0.0136	0.0129	0.0134	0.0148	0.0159
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH and temp as N	MG/L	# of Samples	5	4	5	4	4	5	4	31
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH and temp as N	MG/L	Maximum	<0.002	<0.002	0.002	<0.001	<0.001	<0.001	<0.001	0.002
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH and temp as N	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH and temp as N	MG/L	Monthly Average	0.0006	0.0006	0.0008	0.0005	0.0005	0.0005	0.0005	0.0008
Total Nickel	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Nickel	MG/L	Maximum	0.0324	0.0006	0.0004	0.0005	0.0003	0.0003	0.0003	0.0324
Total Nickel	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Nickel	MG/L	Monthly Average	0.00764	0.00043	0.00027	0.00035	0.00030	0.00024	0.00028	0.00764
Total Lead	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Lead	MG/L	Maximum	0.00481	0.00091	0.0011	0.00121	0.00066	0.00068	0.00092	0.00481
Total Lead	MG/L	Exceedance(>0.2)	0	0	0	0	0	0	0	0
Total Lead	MG/L	Monthly Average	0.00224	0.00073	0.00069	0.00072	0.00057	0.00052	0.00071	0.00224
pH	PH UNITS	# of Samples	5	4	5	4	4	5	4	31
pH	PH UNITS	Maximum	7.55	7.66	7.64	7.7	7.69	7.67	7.37	7.7
pH	PH UNITS	Minimum	7.22	7.19	7.42	7.42	7.43	7.38	7.15	7.15
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	1	1	1	1	1	1	7
Radium-226	BQ/L	Maximum	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	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
Total Suspended Solids	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Suspended Solids	MG/L	Maximum	3	5	2	2	2	13	3	13
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2.0	3.0	1.6	1.5	1.3	4.2	2.0	4.2
Total Zinc	MG/L	# of Samples	5	4	5	4	4	5	4	31
Total Zinc	MG/L	Maximum	0.248	0.087	0.102	0.074	0.061	0.054	0.053	0.248
Total Zinc	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Total Zinc	MG/L	Monthly Average	0.205	0.081	0.076	0.054	0.046	0.043	0.046	0.205

TABLE 98: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D11 – June – December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	0	0	0	3	4	4	5	16
Total Arsenic	UG/L	Maximum	0	0	0	<2.5	<2.5	<2.5	<3.0	<3.0
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	0	0	0	1.17	1.25	1.25	1.25	1.25
Total Copper	UG/L	# of Samples	0	0	0	3	4	4	5	16
Total Copper	UG/L	Maximum	0	0	0	8	4	6	12	12
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0	0	0	5.00	3.25	3.25	5.52	5.52
Un-ionized Ammonia	MG/L	# of Samples	0	0	0	1	4	4	5	14
Un-ionized Ammonia	MG/L	Maximum	0	0	0	<0.05	<0.05	<0.05	<0.05	<0.05
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Un-ionized Ammonia	MG/L	Monthly Average	0	0	0	0.025	0.025	0.025	0.025	0.025
Total Nickel	UG/L	# of Samples	0	0	0	3	4	4	5	16
Total Nickel	UG/L	Maximum	0	0	0	<12.5	<12.5	<12.5	<12.5	<12.5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	0	0	0	5.17	6.25	6.25	3.05	6.25
Total Lead	UG/L	# of Samples	0	0	0	3	4	4	5	16
Total Lead	UG/L	Maximum	0	0	0	2.8	1.1	3.4	9.1	9.1
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0	0	0	1.53	0.75	1.34	3.10	3.10
pH	PH UNITS	# of Samples	0	0	0	3	4	4	5	16
pH	PH UNITS	Maximum	0	0	0	6.96	7.38	7.07	7.5	7.5
pH	PH UNITS	Minimum	0	0	0	6.78	6.72	6.63	6.46	6.46
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	0	0	0	3	4	4	5	16
Total Suspended Solids	MG/L	Maximum	0	0	0	7	3	3	11	11
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	0	0	0	4.00	1.95	1.75	4.20	4.20
Total Zinc	UG/L	# of Samples	0	0	0	3	4	4	5	16
Total Zinc	UG/L	Maximum	0	0	0	22	23	26	31	31
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	0	0	0	15.3	20.0	18.0	18.2	20.0

TABLE 99: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D2 – January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
Total Arsenic	UG/L	# of Samples	4	4	5	4	4	21
Total Arsenic	UG/L	Maximum	2	<2	<2.5	<2.5	<2.5	2
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.31	0.88	1.05	1.25	1.25	1.31
Total Copper	UG/L	# of Samples	4	4	5	4	4	21
Total Copper	UG/L	Maximum	4	16	3	5	4	16
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	3.5	7.0	2.6	3.3	3.0	7.0
Total Nickel	UG/L	# of Samples	4	4	5	4	4	21
Total Nickel	UG/L	Maximum	28	17	22	18.9	23.9	28
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	14.06	14.00	14.25	14.14	16.36	16.36

TABLE 99 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D2 – January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
Total Lead	UG/L	# of Samples	4	4	5	4	4	21
Total Lead	UG/L	Maximum	0.9	1.1	0.6	1.6	0.5	1.6
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.78	0.70	0.47	0.93	0.31	0.93
pH	PH UNITS	# of Samples	4	4	5	4	4	21
pH	PH UNITS	Maximum	7.27	7.18	7.13	6.98	7.21	7.27
pH	PH UNITS	Minimum	6.37	6.85	6.42	6.24	6.91	6.24
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	4	21
Total Suspended Solids	MG/L	Maximum	2	<2	<2	4	<2	4
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.3	1.0	1.0	2.3	1.0	2.3
Total Zinc	UG/L	# of Samples	4	4	5	4	4	21
Total Zinc	UG/L	Maximum	33	41	44	24	35	44
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	22.50	32.25	26.60	20.00	28.25	32.25

TABLE 100: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D2 – June – December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	5	4	5	4	4	4	5	31
Total Arsenic	UG/L	Maximum	<2.5	2.5	<2.5	<2.5	<2.5	<2.5	<3.0	2.5
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.25	1.56	1.25	1.25	1.25	1.25	1.30	1.56
Total Copper	UG/L	# of Samples	5	4	5	4	4	4	5	31
Total Copper	UG/L	Maximum	2	10	5	6	5	6	6	10
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2.00	4.00	4.20	5.00	4.00	4.25	4.54	5.00
Total Nickel	UG/L	# of Samples	5	4	5	4	4	4	5	31
Total Nickel	UG/L	Maximum	28.4	20.2	16.4	<12.5	<12.5	34.2	16.5	34.2
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	18.59	14.71	8.28	6.25	6.25	13.24	9.12	18.59
Total Lead	UG/L	# of Samples	5	4	5	4	4	4	5	31
Total Lead	UG/L	Maximum	0.6	8.7	0.9	1.2	1.1	1.6	2.8	8.7
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.32	2.53	0.58	0.91	0.81	1.08	1.40	2.53
pH	PH UNITS	# of Samples	5	4	5	4	4	4	4	30
pH	PH UNITS	Maximum	7.42	7.24	7.16	6.88	7.18	7.5	6.37	7.5
pH	PH UNITS	Minimum	6.98	6.37	6.23	6.32	6.63	6.02	6.16	6.02
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	5	4	5	4	4	4	5	31
Total Suspended Solids	MG/L	Maximum	<2	12	4	2	<2	3	13	13
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.0	3.6	1.6	1.3	1.0	1.5	4.0	4.0
Total Zinc	UG/L	# of Samples	5	4	5	4	4	4	5	31
Total Zinc	UG/L	Maximum	40	40	29	18	44	19	25	44
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	27.20	24.75	21.20	17.25	28.75	16.00	17.60	28.75

TABLE 101: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D25 - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	5
Total Arsenic	UG/L	Maximum	<2	1	<2	<2.5	<2.5	<2.5
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	1	1	1.25	1.25	1.25
Total Copper	UG/L	# of Samples	1	1	1	1	1	5
Total Copper	UG/L	Maximum	<1	9	<1	2	5	9
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0.5	9	0.5	2	5	9
Total Nickel	UG/L	# of Samples	1	1	1	1	1	5
Total Nickel	UG/L	Maximum	<2	<3	<2	<12.5	<12.5	<12.5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	1	1.5	1	6.25	6.25	6.25
Total Lead	UG/L	# of Samples	1	1	1	1	1	5
Total Lead	UG/L	Maximum	<0.5	0.4	<0.5	0.7	<0.5	0.7
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.4	0.25	0.7	0.25	0.7
pH	PH UNITS	# of Samples	1	1	1	1	1	5
pH	PH UNITS	Maximum	5.91	6.16	6.19	6.64	6.58	6.64
pH	PH UNITS	Minimum	5.91	6.16	6.19	6.64	6.58	5.91
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	1	5
Total Suspended Solids	MG/L	Maximum	2	<2	<2	3	<2	3
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2	1	1	3	1	3
Total Zinc	UG/L	# of Samples	1	1	1	1	1	5
Total Zinc	UG/L	Maximum	<5	11	16	<10	<10	16
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	2.5	11	16	5	5	16

TABLE 102: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D25 - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Arsenic	UG/L	Maximum	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Total Arsenic	UG/L	Exceedance(>600)	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	1.25	1.25
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Copper	UG/L	Maximum	1	1	1	<1	1	<1	1	1
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1	1	1	0.5	1	0.5	1	1
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Nickel	UG/L	Maximum	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5
Total Nickel	UG/L	Exceedance(>1000)	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	6.25	6.25

TABLE 102 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D25 - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Lead	UG/L	Maximum	<0.5	0.6	<0.5	0.6	0.6	<0.5	0.6	0.6
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.6	0.25	0.6	0.6	0.25	0.6	0.6
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	7
pH	PH UNITS	Maximum	6.13	6.41	6.59	6.43	6.64	6.91	6.16	6.91
pH	PH UNITS	Minimum	6.13	6.41	6.59	6.43	6.64	6.91	6.16	6.13
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	1	1	1	7
Total Suspended Solids	MG/L	Maximum	20	6	<2	<2	<2	<2	3	20
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	20	6	1	1	1	1	3	20
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Zinc	UG/L	Maximum	<10	<10	<10	<10	<10	<10	<10	<10
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	5	5	5	5	5	5	5	5

TABLE 103: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D3 - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	5
Total Arsenic	UG/L	Maximum	<2	<1	<2.5	<2.5	<2.5	<2.5
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	0.5	1.25	1.25	1.25	1.25
Total Copper	UG/L	# of Samples	1	1	1	1	1	5
Total Copper	UG/L	Maximum	<1	<1	2	3	2	3
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0.5	0.5	2	3	2	3
Total Nickel	UG/L	# of Samples	1	1	1	1	1	5
Total Nickel	UG/L	Maximum	<2	<3	<12.5	<12.5	<12.5	<12.5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	1	1.5	6.25	6.25	6.25	6.25
Total Lead	UG/L	# of Samples	1	1	1	1	1	5
Total Lead	UG/L	Maximum	0.6	<0.1	1	1.1	0.6	1.1
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.6	0.05	1	1.1	0.6	1.1
pH	PH UNITS	# of Samples	1	1	1	1	1	5
pH	PH UNITS	Maximum	6.91	7.15	7.03	6.66	7.37	7.37
pH	PH UNITS	Minimum	6.91	7.15	7.03	6.66	7.37	6.66
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	1	5
Total Suspended Solids	MG/L	Maximum	<2	<2	<2	<2	<2	<2
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1	1	1	1	1	1
Total Zinc	UG/L	# of Samples	1	1	1	1	1	5
Total Zinc	UG/L	Maximum	<5	<10	<10	<10	<10	<10
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	2.5	5	5	5	5	5

TABLE 104: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D3 – June – December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Arsenic	UG/L	Maximum	2.9	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.9
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	2.9	1.25	1.25	1.25	1.25	1.25	1.25	2.9
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Copper	UG/L	Maximum	3	4	2	3	2	2	5	5
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	3	4	2	3	2	2	5	5
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Nickel	UG/L	Maximum	29.8	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	29.8
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	29.8	6.25	6.25	6.25	6.25	6.25	6.25	29.8
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Lead	UG/L	Maximum	0.7	2.5	0.9	1.3	0.9	0.6	5.5	5.5
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.7	2.5	0.9	1.3	0.9	0.6	5.5	5.5
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	7
pH	PH UNITS	Maximum	6.56	6.91	7.11	7.08	7.23	7.11	6.7	7.23
pH	PH UNITS	Minimum	6.56	6.91	7.11	7.08	7.23	7.11	6.7	6.56
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	1	1	1	7
Total Suspended Solids	MG/L	Maximum	<2	2	<2	<2	<2	<2	4	4
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1	2	1	1	1	1	4	4
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Zinc	UG/L	Maximum	43	11	<10	<10	<10	<10	13	43
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	43	11	5	5	5	5	13	43

TABLE 105: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D5 – January – May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	5
Total Arsenic	UG/L	Maximum	<2	<1	<2	<2.5	<2.5	<2.5
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1	0.5	1	1.25	1.25	1.25
Total Copper	UG/L	# of Samples	1	1	1	1	1	5
Total Copper	UG/L	Maximum	<1	2	<1	<1	1	2
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	0.5	2	0.5	0.5	1	2
Total Nickel	UG/L	# of Samples	1	1	1	1	1	5
Total Nickel	UG/L	Maximum	<2	<3	4	<12.5	<12.5	<12.5
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	1	1.5	4	6.25	6.25	6.25

TABLE 105 CONTINUED: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D5 - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
Total Lead	UG/L	# of Samples	1	1	1	1	1	5
Total Lead	UG/L	Maximum	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.05	0.25	0.25	0.25	0.25
pH	PH UNITS	# of Samples	1	1	1	1	1	5
pH	PH UNITS	Maximum	6.06	6.14	6.16	6.06	7.28	7.28
pH	PH UNITS	Minimum	6.06	6.14	6.16	6.06	7.28	6.06
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	1	5
Total Suspended Solids	MG/L	Maximum	2	<2	<2	7	<2	7
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	2	1	1	7	1	7
Total Zinc	UG/L	# of Samples	1	1	1	1	1	5
Total Zinc	UG/L	Maximum	<5	<10	6	<10	<10	6
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	2.5	5	6	5	5	6

TABLE 106: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 D5 - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
Total Arsenic	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Arsenic	UG/L	Maximum	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Total Arsenic	UG/L	Exceedance(>600)	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	1.25	1.25
Total Copper	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Copper	UG/L	Maximum	2	3	2	2	2	1	3	3
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2	3	2	2	2	1	3	3
Total Nickel	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Nickel	UG/L	Maximum	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5
Total Nickel	UG/L	Exceedance(>1000)	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	6.25	6.25
Total Lead	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Lead	UG/L	Maximum	1.3	0.9	<0.5	0.6	<0.5	<0.5	1.7	1.7
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	1.3	0.9	0.25	0.6	0.25	0.25	1.7	1.7
pH	PH UNITS	# of Samples	1	1	1	1	1	1	1	7
pH	PH UNITS	Maximum	6.89	6.98	7.1	6.94	7	7.23	6.64	7.23
pH	PH UNITS	Minimum	6.89	6.98	7.1	6.94	7	7.23	6.64	6.64
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	# of Samples	1	1	1	1	1	1	1	7
Total Suspended Solids	MG/L	Maximum	19	8	2	<2	<2	<2	5	19
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	19	8	2	1	1	1	5	19
Total Zinc	UG/L	# of Samples	1	1	1	1	1	1	1	7
Total Zinc	UG/L	Maximum	<10	<10	<10	<10	<10	<10	<10	<10
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	5	5	5	5	5	5	5	5

TABLE 107: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 FDP1 - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	0	0	1	0	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	1	0	0	1	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	1	0	0	1	0	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	4	5	5	6	4	24
Total Arsenic	UG/L	Maximum	9.5	<2	2	<2.5	<2.5	9.5
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	3.19	1.00	1.25	1.13	1.25	3.19
Total Copper	UG/L	# of Samples	4	5	5	6	4	24
Total Copper	UG/L	Maximum	5	4	8	14	6	14
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	2.25	2.60	3.40	8.83	5.50	8.83
Total Nickel	UG/L	# of Samples	4	5	5	6	4	24
Total Nickel	UG/L	Maximum	96	21	32.1	47	57.5	96
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	30.90	11.68	27.82	40.35	46.83	46.83
Total Lead	UG/L	# of Samples	4	5	5	6	4	24
Total Lead	UG/L	Maximum	<0.5	0.5	<0.5	<0.5	<0.5	0.5
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.30	0.25	0.25	0.25	0.30
pH	PH UNITS	# of Samples	5	6	5	9	4	29
pH	PH UNITS	Maximum	7.89	7.92	7.42	7.69	7.98	7.98
pH	PH UNITS	Minimum	7.27	7.23	6.84	7.24	7.73	6.84
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	1	1	0	2	0	4
Radium-226	BQ/L	Maximum	<0.005	<0.005	0	<0.005	0	<0.005
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0.0025	0	0.0025	0	0.0025
Total Suspended Solids	MG/L	# of Samples	4	5	5	6	4	24
Total Suspended Solids	MG/L	Maximum	8	4	5	5	2	8
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	3.8	2.8	2.4	2.3	1.3	3.8
Total Zinc	UG/L	# of Samples	4	5	5	6	4	24
Total Zinc	UG/L	Maximum	11	<5	11	5	<10	11
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	7.0	2.5	6.9	4.2	5.0	7.0

TABLE 108: Vale Newfoundland and Labrador Limited (Long Harbour) 2021 FDP1 - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	1	1	0	1	0	0	3
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	1	1	0	1	0	0	3
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	1	1	0	1	0	0	3
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	1	1	0	1	0	0	3
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	5	5	5	1	3	5	5	29
Total Arsenic	UG/L	Maximum	2.8	3.4	10.9	<2.5	3	3.1	<3.0	10.9
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.56	2.45	3.18	1.25	2.32	2.55	1.25	3.18
Total Copper	UG/L	# of Samples	5	5	5	1	3	5	5	29
Total Copper	UG/L	Maximum	7	7	54	7	11	9	13.8	54
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	4.00	4.00	14.00	7.00	6.33	6.40	6.98	14.00
Un-ionized Ammonia	MG/L	# of Samples	5	5	4	1	3	5	5	28
Un-ionized Ammonia	MG/L	Maximum	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Un-ionized Ammonia	MG/L	Exceedance(>1.0)	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
Total Nickel	UG/L	# of Samples	5	5	5	1	3	5	5	29
Total Nickel	UG/L	Maximum	82.3	69.2	729	37.5	65.5	53.4	88	729
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	45.04	46.00	173.40	37.50	55.10	44.12	54.62	173.40
Total Lead	UG/L	# of Samples	5	5	5	1	3	5	5	29
Total Lead	UG/L	Maximum	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<1.0	0.9
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.38	0.25	0.25	0.25	0.25	0.35	0.38
pH	PH UNITS	# of Samples	5	6	6	1	3	5	6	32
pH	PH UNITS	Maximum	7.83	7.51	7.67	7.79	8.13	8.16	8.41	8.41
pH	PH UNITS	Minimum	6.59	7.17	6.73	7.79	7.52	7.95	7.85	6.59
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	2	1	0	1	1	0	5
Radium-226	BQ/L	Maximum	0	<0.005	<0.005	0	<0.010	<0.005	0	<0.010
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0.0025	0.0025	0	0.005	0.0025	0	0.005
Total Suspended Solids	MG/L	# of Samples	5	5	5	1	3	5	5	29
Total Suspended Solids	MG/L	Maximum	2	17	<2	<2	2	10	8	17
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.2	4.2	1.0	1.0	1.3	6.2	5.4	6.2
Total Zinc	UG/L	# of Samples	5	5	5	1	3	5	5	29
Total Zinc	UG/L	Maximum	<10	<10	<10	<10	66	<10	<20	66
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	5.0	4.0	5.0	5.0	24.5	4.5	9.0	24.5

TABLE 109: Vale Newfoundland and Labrador (Voisey's Bay) 2021 Treated Effluent Discharge - January - May

PARAMETER	UOM	DESCRIPTION	JAN	FEB	MAR	APR	MAY	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	0	1	0	0	1	2
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	0	0	0	0	1	1
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	0	1	0	0	0	1
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	1	0	0	1	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	1	0	0	1	2
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	4	4	5	4	6	23
Total Arsenic	UG/L	Maximum	<2	<3.0	3	<2	<2	3
Total Arsenic	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.0	1.1	1.6	1.0	1.0	1.6
Total Copper	UG/L	# of Samples	4	4	5	4	6	23
Total Copper	UG/L	Maximum	2	1	3	2	7	7
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1.0	0.6	1.2	1.5	3.0	3.0
Total Nickel	UG/L	# of Samples	4	4	5	4	6	23
Total Nickel	UG/L	Maximum	51	37	29	38	134	134
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	38.0	28.8	22.9	30.8	73.3	73.3
Total Lead	UG/L	# of Samples	4	4	5	4	6	23
Total Lead	UG/L	Maximum	<0.5	1.8	2	<0.5	<0.5	2
Total Lead	UG/L	Exceedance(>400)	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.7	0.7	0.25	0.25	0.7
pH	PH UNITS	# of Samples	6	7	10	8	12	43
pH	PH UNITS	Maximum	8.23	7.99	8.67	8.12	8.28	8.67
pH	PH UNITS	Minimum	7.71	7.57	7.15	7.67	7.44	7.15
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	0	0	0	0	0
Radium-226	BQ/L	# of Samples	0	1	0	1	2	4
Radium-226	BQ/L	Maximum	0	<0.005	0	<0.005	0.006	0.006
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0	0.0025	0.0000	0.0025	0.0043	0.0043
Total Suspended Solids	MG/L	# of Samples	4	4	5	4	6	23
Total Suspended Solids	MG/L	Maximum	2	<2	3.8	3	4	4
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	1.3	1.0	2.4	2.3	2.2	2.4
Total Zinc	UG/L	# of Samples	4	4	5	4	6	23
Total Zinc	UG/L	Maximum	7	6	22	<5	<5	22
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	3.6	3.4	6.9	2.5	2.5	6.9

TABLE 110: Vale Newfoundland and Labrador (Voisey's Bay) 2021 Treated Effluent Discharge - June - December

PARAMETER	UOM	DESCRIPTION	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Overall
LT50 Daphnia Magna (Pass)	PASS/FAIL	# of Samples	3	2	2	2	2	3	2	16
LT50 Daphnia Magna (Pass)	PASS/FAIL	Pass	1	2	1	1	2	2	2	11
LT50 Daphnia Magna (Pass)	PASS/FAIL	Fail	2	0	1	1	0	1	0	5
LT50 Rainbow Trout (Pass)	PASS/FAIL	# of Samples	0	0	1	0	0	2	0	3
LT50 Rainbow Trout (Pass)	PASS/FAIL	Pass	0	0	1	0	0	2	0	3
LT50 Rainbow Trout (Pass)	PASS/FAIL	Fail	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	# of Samples	6	6	6	6	6	10	4	44
Total Arsenic	UG/L	Maximum	<2	<2	2	<2	2	2	2	2
Total Arsenic	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Arsenic	UG/L	Monthly Average	1.0	1.0	1.3	1.0	1.3	1.4	1.5	1.5
Total Copper	UG/L	# of Samples	6	6	6	6	6	10	5	45
Total Copper	UG/L	Maximum	2	2	4	7	7	2	8	8
Total Copper	UG/L	Exceedance(>600)	0	0	0	0	0	0	0	0
Total Copper	UG/L	Monthly Average	1.8	1.7	2.5	3.7	4.0	1.6	2.2	4.0
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH and temp as N	MG/L	# of Samples	6	6	6	6	6	10	4	44
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH and temp as N	MG/L	Maximum	0.15	0.35	0.38	0.13	0.11	0.15	0.1	0.38
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH and temp as N	MG/L	Exceedance(>1.0)	0	0	0	0	0	0	0	0
Ammonia (Un-ionized) Unfiltered, Reactive, Field pH and temp as N	MG/L	Monthly Average	0.103	0.140	0.173	0.069	0.061	0.076	0.083	0.173
Total Nickel	UG/L	# of Samples	6	6	6	6	6	10	4	44
Total Nickel	UG/L	Maximum	98	68	47	60	98	66	47	98
Total Nickel	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Nickel	UG/L	Monthly Average	64.7	45.2	33.0	42.0	72.0	50.8	37.8	72.0
Total Lead	UG/L	# of Samples	6	6	6	6	6	10	4	44
Total Lead	UG/L	Maximum	<0.5	1.3	<1.0	<0.5	<0.5	<0.5	<1.0	1.3
Total Lead	UG/L	Exceedance(>200)	0	0	0	0	0	0	0	0
Total Lead	UG/L	Monthly Average	0.25	0.43	0.29	0.25	0.25	0.25	0.38	0.43
pH	PH UNITS	# of Samples	12	12	12	12	12	20	8	88
pH	PH UNITS	Maximum	7.88	7.52	8.06	8.62	8.21	8.13	8.45	8.62
pH	PH UNITS	Minimum	7.09	4.65	6.44	4.05	7.23	7.19	7.24	4.05
pH	PH UNITS	Exceedance(<5.5,>9.0)	0	2	0	1	0	0	0	3
Radium-226	BQ/L	# of Samples	3	4	2	2	2	6	2	21
Radium-226	BQ/L	Maximum	<0.005	0.007	0.01	0.006	<0.010	0.009	<0.005	0.01
Radium-226	BQ/L	Exceedance(>1.11)	0	0	0	0	0	0	0	0
Radium-226	BQ/L	Monthly Average	0.0025	0.0045	0.0063	0.0055	0.0038	0.0042	0.0025	0.0063
Total Suspended Solids	MG/L	# of Samples	6	6	6	6	6	10	4	44
Total Suspended Solids	MG/L	Maximum	5	5	5	3	4	7	6	7
Total Suspended Solids	MG/L	Exceedance(>30)	0	0	0	0	0	0	0	0
Total Suspended Solids	MG/L	Monthly Average	3.7	2.2	3.2	1.8	3.0	4.4	5.0	5.0
Total Zinc	UG/L	# of Samples	6	6	6	6	6	10	5	45
Total Zinc	UG/L	Maximum	<5	<5	<5	7	<5	<5	<20	<20
Total Zinc	UG/L	Exceedance(>1000)	0	0	0	0	0	0	0	0
Total Zinc	UG/L	Monthly Average	2.5	2.5	2.5	3.3	2.5	2.5	5.5	5.5