

C.O.C.: G 104803

REPORT No: 23-019773 - Rev. 0

Report To:

Hamlet of Pangnirtung
P.O. Box 253
Pangnirtung, NVT X0A 0R0

CADUCEON Environmental Laboratories

2378 Holly Lane
Ottawa, ON K1V 7P1

Attention: Peter Maniquik

DATE RECEIVED: 2023-Aug-02
DATE REPORTED: 2023-Aug-11
SAMPLE MATRIX: Waste Water

CUSTOMER PROJECT: WW
P.O. NUMBER:

Analyses	Qty	Site Analyzed	Authorized	Date Analyzed	Lab Method	Reference Method
Anions (Liquid)	3	OTTAWA	PCURIEL	2023-Aug-03	A-IC-01	SM 4110B
BOD5 (Liquid)	3	KINGSTON	MDUBIEN	2023-Aug-04	BOD-001	SM 5210B
Cond/pH/Alk Auto (Liquid)	3	OTTAWA	SBOUDREAU	2023-Aug-03	COND-02/PH-02/A LK-02	SM 2510B/4500H/ 2320B
Fecal Coliforms (Liquid)	3	OTTAWA	HALIPDA	2023-Aug-02	FC-001	SM 9222D
ICP/MS Total (Liquid)	3	OTTAWA	TPRICE	2023-Aug-09	D-ICPMS-01	EPA 6020
ICP/OES Total (Liquid)	3	OTTAWA	NHOGAN	2023-Aug-09	D-ICP-01	SM 3120B
Mercury (Liquid)	3	OTTAWA	TBENNETT	2023-Aug-04	D-HG-02	SM 3112B
Ammonia & o-Phosphate (Liquid)	3	KINGSTON	KDIBBITS	2023-Aug-08	NH3-001	SM 4500NH3
Oil & Grease (Liquid)	3	KINGSTON	TMCBRYDE	2023-Aug-04	O&G-001	SM 5520
Phenols (Liquid)	3	KINGSTON	KWELCH	2023-Aug-04	PHEN-01	MECP E3179
Total Organic Carbon (TOC)	3	OTTAWA	VKASYAN	2023-Aug-03	C-OC-01	EPA 415.2
TSS (Liquid)	3	KINGSTON	AMANIYA	2023-Aug-10	TSS-001	SM 2540D

R.L. = Reporting Limit

NC = Not Calculated

Test methods may be modified from specified reference method unless indicated by an *



Michelle Dubien
Laboratory Manager

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Client I.D.			Raw	MBR #1	Effluent
Sample I.D.			23-019773-1	23-019773-2	23-019773-3
Date Collected			2023-07-31	2023-07-31	2023-07-31
Parameter	Units	R.L.	-	-	-
Fecal Coliform	CFU/100mL	1	12200000	500000	34000
Alkalinity(CaCO3) to pH4.5	mg/L	5	290	<5	<5
pH @25°C	pH units	-	7.35	4.22	5.83
Conductivity @25°C	uS/cm	1	871	564	512
Chloride	mg/L	0.5	42.2	51.9	51.5
Nitrate (N)	mg/L	0.05	0.14	23.7	23.6
Nitrite (N)	mg/L	0.05	<0.05	<0.05	0.42
Sulphate	mg/L	1	<1	42	31
BOD5	mg/L	3	261	60	<3
Total Suspended Solids	mg/L	3	120	280	<3
Ammonia (N)-Total (NH3+NH4)	mg/L	0.05	90.0	13.5	12.0
Total Organic Carbon	mg/L	0.2	148	82.5	33.8
Phenolics	mg/L	0.001	0.379	0.024	0.011
Hardness (as CaCO3)	mg/L	-	20	40	30
Aluminum (Total)	mg/L	0.01	0.74	0.64	0.03
Cadmium (Total)	mg/L	0.005	<0.005	<0.005	<0.005
Calcium (Total)	mg/L	0.02	6.10	8.86	7.39
Chromium (Total)	mg/L	0.002	<0.002	0.002	<0.002
Cobalt (Total)	mg/L	0.005	<0.005	<0.005	<0.005
Copper (Total)	mg/L	0.002	0.154	0.143	0.029
Iron (Total)	mg/L	0.005	0.505	1.08	0.208



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Laboratory Manager

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.

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			Client I.D.	Raw	MBR #1	Effluent
			Sample I.D.	23-019773-1	23-019773-2	23-019773-3
			Date Collected	2023-07-31	2023-07-31	2023-07-31
Parameter	Units	R.L.		-	-	-
Lead (Total)	mg/L	0.02		<0.02	<0.02	<0.02
Magnesium (Total)	mg/L	0.02		2.26	3.55	2.46
Manganese (Total)	mg/L	0.001		0.028	0.051	0.034
Nickel (Total)	mg/L	0.01		<0.01	<0.01	<0.01
Potassium (Total)	mg/L	0.1		21.9	29.5	24.2
Sodium (Total)	mg/L	0.2		35.4	45.5	40.1
Zinc (Total)	mg/L	0.005		0.183	0.199	0.103
Arsenic (Total)	mg/L	0.0005		0.0007	0.0010	0.0007
Mercury	mg/L	0.00002		<0.00002	0.00002	<0.00002

			Client I.D.	Raw	MBR #1	Effluent
			Sample I.D.	23-019773-1	23-019773-2	23-019773-3
			Date Collected	2023-07-31	2023-07-31	2023-07-31
Parameter	Units	R.L.		-	-	-
Oil & Grease (Total)	mg/L	1.0		72.4	2.3	<1.0



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