

C.O.C.: G27486

REPORT No. B13-03086

Report To:

Hamlet of Arctic Bay
Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Sam Willie Foreman

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
Fax: 613-526-1244

DATE RECEIVED: 11-Feb-13

JOB/PROJECT NO.:

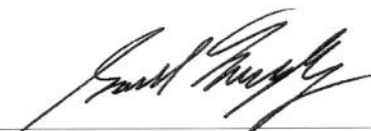
DATE REPORTED: 19-Feb-13

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Sewer Truck			
			Sample I.D.	B13-03086-1			
			Date Collected	07-Feb-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	11-Feb-13/O	891		
Total Suspended Solids	mg/L	3	SM 2540D	13-Feb-13/O	140		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	13-Feb-13/O	46		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	12-Feb-13/O	373		
Conductivity @25 °C	µmho/cm	1	SM 2510B	13-Feb-13/O	1070		
pH @25 °C	pH Units		SM 4500H	12-Feb-13/O	7.38		
Nitrite (N)	mg/L	0.1	SM4110C	12-Feb-13/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	12-Feb-13/O	0.1		
Chloride	mg/L	0.5	SM4110C	12-Feb-13/O	31.7		
Sulphate	mg/L	1	SM4110C	12-Feb-13/O	27		
Total Organic Carbon	mg/L	0.2	EPA 415.1	12-Feb-13/O	83.6		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	11-Feb-13/O	74.3		
Aluminum (total)	mg/L	0.01	SM 3120	13-Feb-13/O	1.77		
Arsenic	mg/L	0.0005	EPA 200.8	12-Feb-13/O	0.0010		
Calcium	mg/L	0.02	SM 3120	13-Feb-13/O	10.5		
Cadmium	mg/L	0.005	SM 3120	13-Feb-13/O	< 0.005		
Cobalt	mg/L	0.005	SM 3120	13-Feb-13/O	< 0.005		
Copper	mg/L	0.002	SM 3120	13-Feb-13/O	0.232		
Chromium	mg/L	0.002	SM 3120	13-Feb-13/O	0.003		
Iron (Total)	mg/L	0.005	SM 3120	13-Feb-13/O	0.724		
Potassium	mg/L	0.1	SM 3120	13-Feb-13/O	24.0		
Magnesium	mg/L	0.01	SM 3120	13-Feb-13/O	4.80		
Manganese (Total)	mg/L	0.001	SM 3120	13-Feb-13/O	0.039		
Mercury	mg/L	0.00002	SM 3112 B	12-Feb-13/O	0.00020		
Nickel	mg/L	0.01	SM 3120	13-Feb-13/O	< 0.01		
Sodium	mg/L	0.2	SM 3120	13-Feb-13/O	60.0		
Lead	mg/L	0.02	SM 3120	13-Feb-13/O	< 0.02		
Zinc	mg/L	0.005	SM 3120	13-Feb-13/O	0.164		



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

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C.O.C.: G27486

REPORT No. B13-03086

Report To:

Hamlet of Arctic Bay
Box 150,
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Attention: Sam Willie Foreman

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DATE RECEIVED: 11-Feb-13

JOB/PROJECT NO.:

DATE REPORTED: 19-Feb-13

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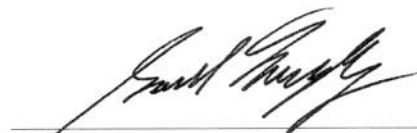
SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Sewer Truck			
			Sample I.D.	B13-03086-1			
			Date Collected	07-Feb-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Oil & Grease-Total	mg/L	1.0	SM 5520	13-Feb-13/K	73.5		
Fecal Coliform	cfu/100mL	1	MOE E3371	11-Feb-13/O	8800000		

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill



Gord Murphy
Lab Supervisor

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C.O.C.: G04873

REPORT No. B13-19057

Report To:

Hamlet of Arctic Bay
Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Joeli Qamanirq

Caduceon Environmental Laboratories

2378 Holly Lane
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DATE RECEIVED: 24-Jul-13

JOB/PROJECT NO.:

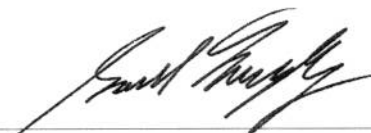
DATE REPORTED: 31-Jul-13

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Raw Waste Water from the Truck			
			Sample I.D.	B13-19057-1			
			Date Collected	22-Jul-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	26-Jul-13/O	645		
Total Suspended Solids	mg/L	3	SM 2540D	26-Jul-13/O	192		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	25-Jul-13/O	66		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	24-Jul-13/O	367		
Conductivity @25°C	µmho/cm	1	SM 2510B	26-Jul-13/O	1100		
pH @25°C	pH Units		SM 4500H	24-Jul-13/O	7.43		
Nitrite (N)	mg/L	0.1	SM4110C	24-Jul-13/O	0.2		
Nitrate (N)	mg/L	0.1	SM4110C	24-Jul-13/O	< 0.1		
Chloride	mg/L	0.5	SM4110C	24-Jul-13/O	59.3		
Sulphate	mg/L	1	SM4110C	24-Jul-13/O	3		
Total Organic Carbon	mg/L	0.2	EPA 415.1	24-Jul-13/O	106		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	25-Jul-13/O	91.5		
Phenolics	mg/L	0.001	MOEE 3179	25-Jul-13/O	0.443		
Aluminum (total)	mg/L	0.01	SM 3120	25-Jul-13/O	1.27		
Arsenic	mg/L	0.0005	EPA 200.8	26-Jul-13/O	< 0.0005		
Calcium	mg/L	0.02	SM 3120	25-Jul-13/O	16.4		
Cadmium	mg/L	0.005	SM 3120	25-Jul-13/O	< 0.005		
Cobalt	mg/L	0.005	SM 3120	25-Jul-13/O	< 0.005		
Copper	mg/L	0.002	SM 3120	25-Jul-13/O	0.003		
Chromium	mg/L	0.002	SM 3120	25-Jul-13/O	0.081		
Iron (Total)	mg/L	0.005	SM 3120	25-Jul-13/O	1.49		
Potassium	mg/L	0.1	SM 3120	25-Jul-13/O	23.8		
Magnesium	mg/L	0.01	SM 3120	25-Jul-13/O	5.97		
Manganese (Total)	mg/L	0.001	SM 3120	25-Jul-13/O	0.059		
Mercury	mg/L	0.00002	SM 3112 B	26-Jul-13/O	0.00005		
Nickel	mg/L	0.01	SM 3120	25-Jul-13/O	< 0.01		



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

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C.O.C.: G04873

REPORT No. B13-19057

Report To:

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Attention: Joeli Qamanirq

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DATE RECEIVED: 24-Jul-13

JOB/PROJECT NO.:

DATE REPORTED: 31-Jul-13

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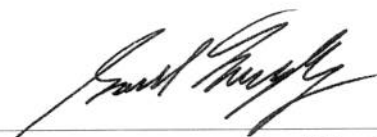
SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.		Raw Waste Water from the Truck			
			Sample I.D.		B13-19057-1			
			Date Collected		22-Jul-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Sodium	mg/L	0.2	SM 3120	25-Jul-13/O	39.6			
Lead	mg/L	0.02	SM 3120	25-Jul-13/O	< 0.02			
Zinc	mg/L	0.005	SM 3120	25-Jul-13/O	0.131			
Oil & Grease-Total	mg/L	1.0	SM 5520	30-Jul-13/K	113			
Fecal Coliform	cfu/100mL	1	MOE E3371	24-Jul-13/O	6800000			

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill


Gord Murphy
Lab Supervisor

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C.O.C.: G23148

REPORT No. B13-19067

Report To:

Hamlet of Arctic Bay
Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Sam Willie

Caduceon Environmental Laboratories

2378 Holly Lane
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DATE RECEIVED: 24-Jul-13

JOB/PROJECT NO.:

DATE REPORTED: 08-Aug-13

P.O. NUMBER:

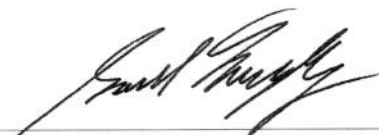
SAMPLE MATRIX: Drinking Water

WATERWORKS NO.

			Client I.D.	Raw Drinking Water			
			Sample I.D.	B13-19067-1			
			Date Collected	22-Jul-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Total Dissolved Solids	mg/L	3	SM 2540D	26-Jul-13/O	8		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	24-Jul-13/O	4.0		
Chloride	mg/L	0.5	SM4110C	24-Jul-13/O	4.2		
Fluoride	mg/L	0.1	SM4110C	24-Jul-13/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	24-Jul-13/O	0.2		
Sulphate	mg/L	1	SM4110C	24-Jul-13/O	3		
Phenolics	mg/L	0.001	MOEE 3179	25-Jul-13/O	< 0.001		
Total Cyanide	mg/L	0.005	SM 4500CN	29-Jul-13/K	< 0.005		
Arsenic	mg/L	0.0001	EPA 200.8	25-Jul-13/O	0.0001		
Barium	mg/L	0.001	SM 3120	25-Jul-13/O	0.031		
Cadmium	mg/L	0.00002	EPA 200.8	25-Jul-13/O	< 0.00002		
Chromium	mg/L	0.002	SM 3120	25-Jul-13/O	< 0.002		
Chromium (VI)	mg/L	0.01	MOEE 3056	25-Jul-13/O	< 0.01 ¹		
Iron	mg/L	0.005	SM 3120	25-Jul-13/O	0.063		
Lead	mg/L	0.00002	EPA 200.8	25-Jul-13/O	0.00175		
Manganese	mg/L	0.001	SM 3120	25-Jul-13/O	0.001		
Selenium	mg/L	0.001	EPA 200.8	25-Jul-13/O	< 0.001		
Silver	mg/L	0.00002	EPA 200.8	25-Jul-13/O	< 0.00002		
Zinc	mg/L	0.005	SM 3120	25-Jul-13/O	0.007		
Surfactants Content	mg/L	0.05	SM-5540-C	08-Aug-13/O	< 0.05 ²		

1 Chromium (VI) result is based on total chromium

2 Subcontracted to Niagara Analytical



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

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C.O.C.: G35599

REPORT No. B13-19069

Report To:

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Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Joeli Qamanirq

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2378 Holly Lane
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DATE RECEIVED: 24-Jul-13

JOB/PROJECT NO.:

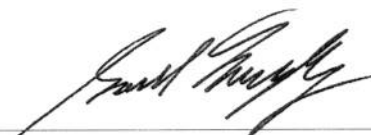
DATE REPORTED: 01-Aug-13

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Leachate			
			Sample I.D.	B13-19069-1			
			Date Collected	22-Jul-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Fecal Coliform	cfu/100mL	1	MOE E3371	24-Jul-13/O	40		
BOD	mg/L	3	SM 5210B	26-Jul-13/O	4		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	25-Jul-13/O	134		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	24-Jul-13/O	98		
Conductivity @25°C	µmho/cm	1	SM 2510B	26-Jul-13/O	313		
pH @25°C	pH Units		SM 4500H	24-Jul-13/O	7.76		
Total Organic Carbon	mg/L	0.2	EPA 415.1	24-Jul-13/O	11.4		
Total Suspended Solids	mg/L	3	SM 2540D	26-Jul-13/O	< 3		
Chloride	mg/L	0.5	SM4110C	25-Jul-13/O	9.9		
Nitrite (N)	mg/L	0.1	SM4110C	25-Jul-13/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	25-Jul-13/O	< 0.1		
Sulphate	mg/L	1	SM4110C	25-Jul-13/O	46		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	25-Jul-13/O	< 0.01		
Phosphorus-Total	mg/L	0.01	MOEE 3367	26-Jul-13/O	0.01		
Phenolics	mg/L	0.001	MOEE 3179	25-Jul-13/O	< 0.001		
Aluminum (total)	mg/L	0.01	SM 3120	25-Jul-13/O	0.08		
Arsenic	mg/L	0.0005	EPA 200.8	26-Jul-13/O	< 0.0005		
Calcium	mg/L	0.02	SM 3120	25-Jul-13/O	28.1		
Cadmium	mg/L	0.005	SM 3120	25-Jul-13/O	< 0.005		
Cobalt	mg/L	0.005	SM 3120	25-Jul-13/O	< 0.005		
Copper	mg/L	0.002	SM 3120	25-Jul-13/O	< 0.002		
Chromium	mg/L	0.002	SM 3120	25-Jul-13/O	0.003		
Iron (Total)	mg/L	0.005	SM 3120	25-Jul-13/O	0.116		
Lead	mg/L	0.02	SM 3120	25-Jul-13/O	< 0.02		
Magnesium	mg/L	0.01	SM 3120	25-Jul-13/O	15.5		
Manganese (Total)	mg/L	0.001	SM 3120	25-Jul-13/O	0.041		
Mercury	mg/L	0.00002	SM 3112 B	26-Jul-13/O	< 0.00002		
Nickel	mg/L	0.01	SM 3120	25-Jul-13/O	< 0.01		



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

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C.O.C.: G35599

REPORT No. B13-19069

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Attention: Joeli Qamanirq

Caduceon Environmental Laboratories

2378 Holly Lane
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DATE RECEIVED: 24-Jul-13

JOB/PROJECT NO.:

DATE REPORTED: 01-Aug-13

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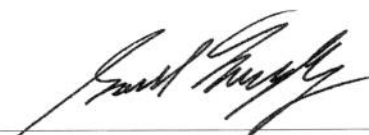
SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Leachate			
			Sample I.D.	B13-19069-1			
			Date Collected	22-Jul-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Sodium	mg/L	0.2	SM 3120	25-Jul-13/O	6.6		
Potassium	mg/L	0.1	SM 3120	25-Jul-13/O	0.7		
Zinc	mg/L	0.005	SM 3120	25-Jul-13/O	0.012		
Benzene	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5		
Toluene	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5		
Ethylbenzene	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5		
Xylene, m,p-	µg/L	1.0	EPA 8260	25-Jul-13/O	< 1.0		
Styrene	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5		
Xylene, o-	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5		
PHC F1 (C6-C10)	µg/L	50	MOE E3421	25-Jul-13/O	< 50		
PHC F2 (>C10-C16)	µg/L	50	MOE E3421	31-Jul-13/O	< 50		
PHC F3 (>C16-C34)	µg/L	400	MOE E3421	31-Jul-13/O	< 400		
PHC F4 (>C34-C50)	µg/L	400	MOE E3421	31-Jul-13/O	< 400		
Comment-purgeable	-		-	25-Jul-13/O	-		
Comment-extractable	-		-	31-Jul-13	-		
Oil & Grease-Total	mg/L	1.0	SM 5520	30-Jul-13/K	< 1.0		

M.D.L. = Method Detection Limit

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Gord Murphy
Lab Supervisor

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DATE RECEIVED: 23-Sep-13

JOB/PROJECT NO.:

DATE REPORTED: 30-Sep-13

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Waste Water			
			Sample I.D.	B13-24969-1			
			Date Collected	23-Sep-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	25-Sep-13/O	61		
Total Suspended Solids	mg/L	3	SM 2540D	25-Sep-13/O	32		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	24-Sep-13/O	88		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	24-Sep-13/O	294		
Conductivity @25°C	µmho/cm	1	SM 2510B	25-Sep-13/O	745		
pH @25°C	pH Units		SM 4500H	24-Sep-13/O	7.37		
Nitrite (N)	mg/L	0.1	SM4110C	25-Sep-13/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	25-Sep-13/O	0.2		
Chloride	mg/L	0.5	SM4110C	25-Sep-13/O	39.0		
Sulphate	mg/L	1	SM4110C	25-Sep-13/O	14		
Total Organic Carbon	mg/L	0.2	EPA 415.1	24-Sep-13/O	42.9		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	24-Sep-13/O	43.9		
Phenolics	mg/L	0.001	MOEE 3179	25-Sep-13/O	0.256		
Aluminum (total)	mg/L	0.01	SM 3120	24-Sep-13/O	1.14		
Arsenic	mg/L	0.0001	EPA 200.8	24-Sep-13/O	0.0004		
Calcium	mg/L	0.02	SM 3120	24-Sep-13/O	17.9		
Cadmium	mg/L	0.005	SM 3120	24-Sep-13/O	< 0.005		
Cobalt	mg/L	0.005	SM 3120	24-Sep-13/O	< 0.005		
Copper	mg/L	0.002	SM 3120	24-Sep-13/O	0.041		
Chromium	mg/L	0.002	SM 3120	24-Sep-13/O	0.003		
Iron (Total)	mg/L	0.005	SM 3120	24-Sep-13/O	2.68		
Potassium	mg/L	0.1	SM 3120	24-Sep-13/O	16.8		
Magnesium	mg/L	0.01	SM 3120	24-Sep-13/O	10.5		
Manganese (Total)	mg/L	0.001	SM 3120	24-Sep-13/O	0.474		
Mercury	mg/L	0.00002	SM 3112 B	24-Sep-13/O	0.00003		
Nickel	mg/L	0.01	SM 3120	24-Sep-13/O	< 0.01		
Sodium	mg/L	0.2	SM 3120	24-Sep-13/O	50.2		
Lead	mg/L	0.02	SM 3120	24-Sep-13/O	0.07		



Gord Murphy
Lab Supervisor

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DATE RECEIVED: 23-Sep-13

JOB/PROJECT NO.:

DATE REPORTED: 30-Sep-13

P.O. NUMBER:

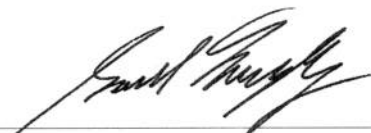
SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Waste Water			
			Sample I.D.	B13-24969-1			
			Date Collected	23-Sep-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Zinc	mg/L	0.005	SM 3120	24-Sep-13/O	0.048		
Oil & Grease-Total	mg/L	1.0	SM 5520	27-Sep-13/K	6.6		
Fecal Coliform	cfu/100mL	1	MOE E3371	24-Sep-13/O	470000		

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill



Gord Murphy
Lab Supervisor

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C.O.C.: G

REPORT No. B12-20295

Report To:

Hamlet of Arctic Bay
Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Sam Willie

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
Fax: 613-526-1244

DATE RECEIVED: 13-Aug-12

JOB/PROJECT NO.:

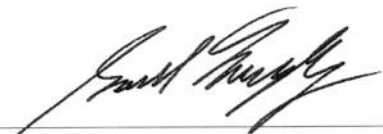
DATE REPORTED: 21-Aug-12

P.O. NUMBER:

SAMPLE MATRIX: Drinking Water

WATERWORKS NO.

			Client I.D.	Raw Reservoir			
			Sample I.D.	B12-20295-1			
			Date Collected	13-Aug-12			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	14-Aug-12/O	14		
Alkalinity (as CaCO ₃)	mg/L	5	SM 2320B	14-Aug-12/O	8		
Conductivity	µmho/cm	1	SM 2510B	14-Aug-12/O	36		
pH	pH Units		SM 4500H	14-Aug-12/O	7.32		
Chloride	mg/L	0.5	SM4110C	13-Aug-12/O	3.7		
Fluoride	mg/L	0.1	SM4110C	13-Aug-12/O	< 0.1		
Nitrite (N)	mg/L	0.1	SM4110C	13-Aug-12/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	13-Aug-12/O	0.2		
Sulphate	mg/L	1	SM4110C	13-Aug-12/O	3		
Colour	TCU	1	SM 2120C	14-Aug-12/O	8		
Turbidity	NTU	0.1	SM 2130	17-Aug-12/O	2.3		
Calcium	mg/L	0.02	SM 3120	14-Aug-12/O	2.92		
Magnesium	mg/L	0.01	SM 3120	14-Aug-12/O	1.58		
Sodium	mg/L	0.2	SM 3120	14-Aug-12/O	1.8		
Potassium	mg/L	0.1	SM 3120	14-Aug-12/O	0.3		
Copper	mg/L	0.002	SM 3120	14-Aug-12/O	< 0.002		
Iron	mg/L	0.005	SM 3120	14-Aug-12/O	0.034		
Manganese	mg/L	0.001	SM 3120	14-Aug-12/O	0.002		
Silica	mg/L	0.02	SM 3120	14-Aug-12/O	0.91		
Zinc	mg/L	0.005	SM 3120	14-Aug-12/O	< 0.005		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	16-Aug-12/O	< 0.01		
Total Kjeldahl Nitrogen	mg/L	0.05	MOEE 3367	15-Aug-12/O	< 0.05		
Organic Nitrogen	mg/L	0.05	MOEE 3367	17-Aug-12/O	< 0.05		
Dissolved Organic Carbon	mg/L	0.2	EPA 415.1	15-Aug-12/O	1.0		
Phenolics	mg/L	0.001	MOEE 3179	20-Aug-12/O	< 0.001		
Tannins and Lignins	mg/L	0.1	N/A	17-Aug-12	< 0.1		
Total Coliform	cfu/100mL	1	MOE E3407	13-Aug-12/O	4		
E coli	cfu/100mL	1	MOE E3407	13-Aug-12/O	0		



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

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C.O.C.: G

REPORT No. B12-20295

Report To:

Hamlet of Arctic Bay
Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Sam Willie

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
Fax: 613-526-1244

DATE RECEIVED: 13-Aug-12

JOB/PROJECT NO.:

DATE REPORTED: 21-Aug-12

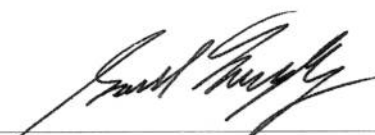
P.O. NUMBER:

SAMPLE MATRIX: Drinking Water

WATERWORKS NO.

			Client I.D.	Raw Reservoir			
			Sample I.D.	B12-20295-1			
			Date Collected	13-Aug-12			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Comment-purgeable	-		-	17-Aug-12/O	-		

1. subcontracted to Paracel Labs



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

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C.O.C.: G23554

REPORT No. B12-22622

Report To:

Hamlet of Arctic Bay
 Box 150,
 Arctic Bay NU X0A 0A0 Canada

Attention: Micheal Rowan

Caduceon Environmental Laboratories

2378 Holly Lane
 Ottawa Ontario K1V 7P1
 Tel: 613-526-0123
 Fax: 613-526-1244

DATE RECEIVED: 05-Sep-12

JOB/PROJECT NO.: 2012 Decant

DATE REPORTED: 11-Sep-12

P.O. NUMBER:

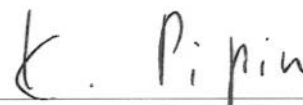
SAMPLE MATRIX: Waste Water

WATERWORKS NO.

Parameter	BOD	Total Suspended Solids			
Units	mg/L	mg/L			
M.D.L.	3	3			
Reference Method	SM 5210B	SM 2540D			
Date Analyzed/Site	06-Sep-12/O	07-Sep-12/O			
Client I.D.	Sample I.D.	Date Collected			
Beginning Decanting	B12-22622-1	29-Aug-12	14	14	
Middle Decanting	B12-22622-2	29-Aug-12	63	136	
End Decanting	B12-22622-3	29-Aug-12	90	88	

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill



Krystyna Pipin , M. Sc.

Lab Supervisor

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C.O.C.: G04871

REPORT No. B11-25954

Report To:

Hamlet of Arctic Bay
Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Joeli Qamanirq

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
Fax: 613-526-1244

DATE RECEIVED: 28-Sep-11

JOB/PROJECT NO.: Discharge Beginning

DATE REPORTED: 25-Oct-11

P.O. NUMBER:

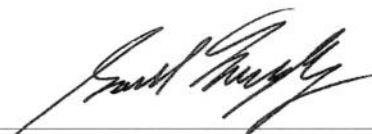
SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Sample 1 Arc 3			
			Sample I.D.	B11-25954-1			
			Date Collected	23-Sep-11			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Fecal Coliform	cfu/100ml	1	MOE E3371	28-Sep-11/O	390000		
BOD	mg/L	3	SM 5210B	29-Sep-11/O	138		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	03-Oct-11/O	125		
Alkalinity (as CaCO ₃)	mg/L	5	SM 2320B	30-Sep-11/O	559		
Conductivity	µmho/cm	1	SM 2510B	28-Sep-11/O	1700		
pH	pH Units		SM 4500H	30-Sep-11/O	7.42		
Total Suspended Solids	mg/L	3	SM 2540D	29-Sep-11/O	144		
Chloride	mg/L	0.5	SM4110C	28-Sep-11/O	103		
Nitrite (N)	mg/L	0.1	SM4110C	28-Sep-11/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	28-Sep-11/O	< 0.1		
Sulphate	mg/L	1	SM4110C	28-Sep-11/O	42		
Phenolics	mg/L	0.001	MOEE 3179	29-Sep-11/O	1.11		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	24-Oct-11/O	115		
Total Organic Carbon	mg/L	0.2	EPA 415.1	30-Sep-11/O	73.7		
Aluminum (total)	mg/L	0.01	SM 3120	03-Oct-11/O	1.14		
Arsenic	mg/L	0.0005	EPA 200.8	21-Oct-11/O	0.0055		
Calcium	mg/L	0.02	SM 3120	03-Oct-11/O	22.6		
Cadmium	mg/L	0.005	SM 3120	03-Oct-11/O	< 0.005		
Cobalt	mg/L	0.005	SM 3120	03-Oct-11/O	< 0.005		
Copper	mg/L	0.002	SM 3120	03-Oct-11/O	0.040		
Chromium	mg/L	0.002	SM 3120	03-Oct-11/O	0.010		
Iron (Total)	mg/L	0.005	SM 3120	03-Oct-11/O	3.06		
Lead	mg/L	0.02	SM 3120	03-Oct-11/O	< 0.02		
Magnesium	mg/L	0.01	SM 3120	03-Oct-11/O	16.7		
Manganese (Total)	mg/L	0.001	SM 3120	03-Oct-11/O	0.487		
Mercury	mg/L	0.00002	SM 3112 B	07-Oct-11/O	< 0.00002		
Potassium	mg/L	0.1	SM 3120	03-Oct-11/O	39.3		
Sodium	mg/L	0.2	SM 3120	03-Oct-11/O	120		

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill



Gord Murphy
Lab Supervisor

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C.O.C.: G04871

REPORT No. B11-25954

Report To:

Hamlet of Arctic Bay
Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Joeli Qamanirq

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
Fax: 613-526-1244

DATE RECEIVED: 28-Sep-11

JOB/PROJECT NO.: Discharge Beginning

DATE REPORTED: 25-Oct-11

P.O. NUMBER:

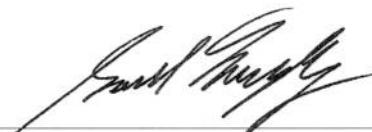
SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.		Sample 1 Arc 3			
			Sample I.D.		B11-25954-1			
			Date Collected		23-Sep-11			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Nickel	mg/L	0.01	SM 3120	03-Oct-11/O	0.01			
Zinc	mg/L	0.005	SM 3120	03-Oct-11/O	0.074			
Oil and Grease-Anim/Veg.	mg/L	1.0	SM 5520	03-Oct-11/K	22.0			
Oil and Grease-Mineral	mg/L	1.0	SM 5520	03-Oct-11/K	1.4			
Oil & Grease-Total	mg/L	1.0	SM 5520	03-Oct-11/K	23.4			

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill



Gord Murphy
Lab Supervisor

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