

C.O.C.: ---

REPORT No. B14-26834

**Report To:**

**Hamlet of Pond Inlet**

P.O Box 379,  
Pond Inlet Nunavut X0A 0S0 Canada

**Attention:** Mike Rubin

**Caduceon Environmental Laboratories**

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

DATE RECEIVED: 15-Oct-14

JOB/PROJECT NO.: Waste Water

DATE REPORTED: 31-Oct-14

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

|                                         |          |         | Client I.D.      | Waste Water        |           |  |  |
|-----------------------------------------|----------|---------|------------------|--------------------|-----------|--|--|
|                                         |          |         | Sample I.D.      | B14-26834-1        |           |  |  |
|                                         |          |         | Date Collected   | 14-Oct-14          |           |  |  |
| Parameter                               | Units    | M.D.L.  | Reference Method | Date/Site Analyzed |           |  |  |
| BOD                                     | mg/L     | 3       | SM 5210B         | 16-Oct-14/O        | 153       |  |  |
| Total Suspended Solids                  | mg/L     | 3       | SM 2540D         | 17-Oct-14/O        | 12        |  |  |
| Hardness (as CaCO <sub>3</sub> )        | mg/L     | 1       | SM 3120          | 16-Oct-14/O        | 49        |  |  |
| Alkalinity(CaCO <sub>3</sub> ) to pH4.5 | mg/L     | 5       | SM 2320B         | 16-Oct-14/O        | 437       |  |  |
| Conductivity @25°C                      | µmho/cm  | 1       | SM 2510B         | 16-Oct-14/O        | 1240      |  |  |
| pH @25°C                                | pH Units |         | SM 4500H         | 16-Oct-14/O        | 7.72      |  |  |
| Nitrite (N)                             | mg/L     | 0.1     | SM4110C          | 20-Oct-14/O        | < 0.1     |  |  |
| Nitrate (N)                             | mg/L     | 0.1     | SM4110C          | 20-Oct-14/O        | < 0.1     |  |  |
| Chloride                                | mg/L     | 0.5     | SM4110C          | 20-Oct-14/O        | 76.0      |  |  |
| Sulphate                                | mg/L     | 1       | SM4110C          | 20-Oct-14/O        | 1         |  |  |
| Total Organic Carbon                    | mg/L     | 0.2     | EPA 415.1        | 20-Oct-14/O        | 89.1      |  |  |
| Ammonia (N)-Total                       | mg/L     | 0.01    | MOEE 3364        | 28-Oct-14/O        | 85.3      |  |  |
| Phenolics                               | mg/L     | 0.001   | MOEE 3179        | 30-Oct-14/O        | 0.478     |  |  |
| Aluminum (total)                        | mg/L     | 0.01    | SM 3120          | 16-Oct-14/O        | 0.13      |  |  |
| Arsenic                                 | mg/L     | 0.0001  | EPA 200.8        | 16-Oct-14/O        | 0.0004    |  |  |
| Calcium                                 | mg/L     | 0.02    | SM 3120          | 16-Oct-14/O        | 8.95      |  |  |
| Cadmium                                 | mg/L     | 0.005   | SM 3120          | 16-Oct-14/O        | < 0.005   |  |  |
| Cobalt                                  | mg/L     | 0.005   | SM 3120          | 16-Oct-14/O        | < 0.005   |  |  |
| Copper                                  | mg/L     | 0.002   | SM 3120          | 16-Oct-14/O        | 0.022     |  |  |
| Chromium                                | mg/L     | 0.002   | SM 3120          | 16-Oct-14/O        | < 0.002   |  |  |
| Iron (Total)                            | mg/L     | 0.005   | SM 3120          | 16-Oct-14/O        | 0.526     |  |  |
| Lead                                    | mg/L     | 0.02    | SM 3120          | 16-Oct-14/O        | < 0.02    |  |  |
| Magnesium                               | mg/L     | 0.01    | SM 3120          | 16-Oct-14/O        | 6.44      |  |  |
| Manganese (Total)                       | mg/L     | 0.001   | SM 3120          | 16-Oct-14/O        | 0.109     |  |  |
| Mercury                                 | mg/L     | 0.00002 | SM 3112 B        | 16-Oct-14/O        | < 0.00002 |  |  |
| Nickel                                  | mg/L     | 0.01    | SM 3120          | 16-Oct-14/O        | < 0.01    |  |  |
| Potassium                               | mg/L     | 0.1     | SM 3120          | 16-Oct-14/O        | 26.2      |  |  |
| Sodium                                  | mg/L     | 0.2     | SM 3120          | 16-Oct-14/O        | 62.9      |  |  |



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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WATERWORKS NO.

|                    |              |               | <b>Client I.D.</b>      |                           | Waste Water |  |  |  |
|--------------------|--------------|---------------|-------------------------|---------------------------|-------------|--|--|--|
|                    |              |               | <b>Sample I.D.</b>      |                           | B14-26834-1 |  |  |  |
|                    |              |               | <b>Date Collected</b>   |                           | 14-Oct-14   |  |  |  |
| <b>Parameter</b>   | <b>Units</b> | <b>M.D.L.</b> | <b>Reference Method</b> | <b>Date/Site Analyzed</b> |             |  |  |  |
| Zinc               | mg/L         | 0.005         | SM 3120                 | 16-Oct-14/O               | 0.055       |  |  |  |
| Oil & Grease-Total | mg/L         | 1.0           | SM 5520                 | 23-Oct-14/K               | 13.7        |  |  |  |
| Fecal Coliform     | cfu/100mL    | 1             | MOE E3371               | 15-Oct-14/O               | 39000       |  |  |  |



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