

**C.O.C.: G27407**

**REPORT No. B13-03313**

**Report To:**

**Hamlet of Kimmirut**

P.O Box 120,

Kimmirut Nu X0A 0N0

**Attention:** Saqiqtaq Tamela

**Caduceon Environmental Laboratories**

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

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DATE RECEIVED: 12-Feb-13

JOB/PROJECT NO.:

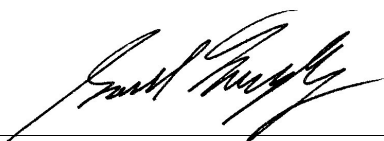
DATE REPORTED: 19-Feb-13

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SAMPLE MATRIX: Waste Water

WATERWORKS NO.

|                                         |          |         | Client I.D.      | Waste Water        |          |  |  |
|-----------------------------------------|----------|---------|------------------|--------------------|----------|--|--|
|                                         |          |         | Sample I.D.      | B13-03313-1        |          |  |  |
|                                         |          |         | Date Collected   | 10-Feb-13          |          |  |  |
| Parameter                               | Units    | M.D.L.  | Reference Method | Date/Site Analyzed |          |  |  |
| BOD                                     | mg/L     | 3       | SM 5210B         | 13-Feb-13/O        | 266      |  |  |
| Total Suspended Solids                  | mg/L     | 3       | SM 2540D         | 13-Feb-13/O        | 32       |  |  |
| Hardness (as CaCO <sub>3</sub> )        | mg/L     | 1       | SM 3120          | 13-Feb-13/O        | 128      |  |  |
| Alkalinity(CaCO <sub>3</sub> ) to pH4.5 | mg/L     | 5       | SM 2320B         | 13-Feb-13/O        | 285      |  |  |
| Conductivity @25°C                      | µmho/cm  | 1       | SM 2510B         | 13-Feb-13/O        | 797      |  |  |
| pH @25°C                                | pH Units |         | SM 4500H         | 13-Feb-13/O        | 7.35     |  |  |
| Nitrite (N)                             | mg/L     | 0.1     | SM4110C          | 13-Feb-13/O        | < 0.1    |  |  |
| Nitrate (N)                             | mg/L     | 0.1     | SM4110C          | 13-Feb-13/O        | 0.1      |  |  |
| Chloride                                | mg/L     | 0.5     | SM4110C          | 13-Feb-13/O        | 34.4     |  |  |
| Sulphate                                | mg/L     | 1       | SM4110C          | 13-Feb-13/O        | 6        |  |  |
| Ammonia (N)-Total                       | mg/L     | 0.01    | MOEE 3364        | 14-Feb-13/O        | 48.8     |  |  |
| Phenolics                               | mg/L     | 0.001   | MOEE 3179        | 13-Feb-13/O        | 0.126    |  |  |
| Total Organic Carbon                    | mg/L     | 0.2     | EPA 415.1        | 13-Feb-13/O        | 79.8     |  |  |
| Aluminum (total)                        | mg/L     | 0.01    | SM 3120          | 13-Feb-13/O        | 1.15     |  |  |
| Arsenic                                 | mg/L     | 0.0005  | EPA 200.8        | 14-Feb-13/O        | < 0.0005 |  |  |
| Calcium                                 | mg/L     | 0.02    | SM 3120          | 13-Feb-13/O        | 35.9     |  |  |
| 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        | 0.150    |  |  |
| Chromium                                | mg/L     | 0.002   | SM 3120          | 13-Feb-13/O        | < 0.002  |  |  |
| Iron (Total)                            | mg/L     | 0.005   | SM 3120          | 13-Feb-13/O        | 1.02     |  |  |
| Potassium                               | mg/L     | 0.1     | SM 3120          | 13-Feb-13/O        | 15.6     |  |  |
| Magnesium                               | mg/L     | 0.01    | SM 3120          | 13-Feb-13/O        | 9.32     |  |  |
| Manganese (Total)                       | mg/L     | 0.001   | SM 3120          | 13-Feb-13/O        | 0.027    |  |  |
| Mercury                                 | mg/L     | 0.00002 | SM 3112 B        | 14-Feb-13/O        | 0.00004  |  |  |
| Nickel                                  | mg/L     | 0.01    | SM 3120          | 13-Feb-13/O        | < 0.01   |  |  |
| Sodium                                  | mg/L     | 0.2     | SM 3120          | 13-Feb-13/O        | 38.8     |  |  |
| Lead                                    | mg/L     | 0.02    | SM 3120          | 13-Feb-13/O        | < 0.02   |  |  |



Gord Murphy  
Lab Supervisor

M.D.L. = Method Detection Limit

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

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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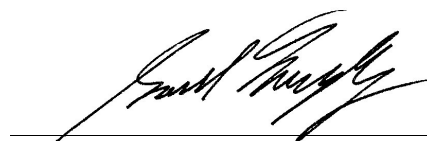
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SAMPLE MATRIX: Waste Water

WATERWORKS NO.

|                    |              |               | <b>Client I.D.</b>      | Waste Water               |        |  |  |  |
|--------------------|--------------|---------------|-------------------------|---------------------------|--------|--|--|--|
|                    |              |               | <b>Sample I.D.</b>      | B13-03313-1               |        |  |  |  |
|                    |              |               | <b>Date Collected</b>   | 10-Feb-13                 |        |  |  |  |
| <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                 | 13-Feb-13/O               | 0.109  |  |  |  |
| Oil & Grease-Total | mg/L         | 1.0           | SM 5520                 | 19-Feb-13/K               | 21.1   |  |  |  |
| Fecal Coliform     | cfu/100mL    | 1             | MOE E3371               | 12-Feb-13/O               | 120000 |  |  |  |



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