

**C.O.C.: DW 13557**

**REPORT No. B15-13557**

**Report To:**

**Municipality of Igloolik**

PO Box 30,  
Igloolik NU X0A 0L0 Canada

**Attention:** Brain Fleming

**Caduceon Environmental Laboratories**

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

DATE RECEIVED: 09-Jun-15

JOB/PROJECT NO.: Raw Drinking Water

DATE REPORTED: 18-Jun-15

P.O. NUMBER:

SAMPLE MATRIX: Drinking Water

WATERWORKS NO.

|                          |         |         | Client I.D.      | Raw Drinking Water | Treated - Turbidity  |     |  |
|--------------------------|---------|---------|------------------|--------------------|----------------------|-----|--|
|                          |         |         | Sample I.D.      | B15-13557-1        | B15-13557-2          |     |  |
|                          |         |         | Date Collected   | 06-Jun-15          |                      |     |  |
| Parameter                | Units   | M.D.L.  | Reference Method | Date/Site Analyzed |                      |     |  |
| TDS (Calc. from Cond.)   | mg/L    |         | Calc.            | 16-Jun-15          | 516                  |     |  |
| Conductivity @25°C       | µmho/cm | 1       | SM 2510B         | 15-Jun-15/O        | 769                  |     |  |
| Turbidity                | NTU     | 0.1     | SM 2130          | 10-Jun-15/O        | 0.7                  | 0.1 |  |
| Surfactants Content      | mg/L    | 0.05    | SM-5540-C        | 15-Jun-15/O        | < 0.05 <sup>2</sup>  |     |  |
| Chloride                 | mg/L    | 0.5     | SM4110C          | 09-Jun-15/O        | 133                  |     |  |
| Fluoride                 | mg/L    | 0.1     | SM4110C          | 09-Jun-15/O        | 0.3                  |     |  |
| Nitrate (N)              | mg/L    | 0.1     | SM4110C          | 09-Jun-15/O        | 0.2                  |     |  |
| Nitrite (N)              | mg/L    | 0.1     | SM4110C          | 09-Jun-15/O        | < 0.1                |     |  |
| Sulphate                 | mg/L    | 1       | SM4110C          | 09-Jun-15/O        | 67                   |     |  |
| Phenolics                | mg/L    | 0.001   | MOEE 3179        | 16-Jun-15/O        | < 0.001              |     |  |
| Dissolved Organic Carbon | mg/L    | 0.2     | EPA 415.1        | 16-Jun-15/O        | 2.9                  |     |  |
| Total Cyanide            | mg/L    | 0.005   | SM 4500CN        | 12-Jun-15/K        | < 0.005              |     |  |
| Arsenic                  | mg/L    | 0.0001  | EPA 200.8        | 11-Jun-15/O        | 0.0008               |     |  |
| Barium                   | mg/L    | 0.001   | SM 3120          | 12-Jun-15/O        | 0.008                |     |  |
| Cadmium                  | mg/L    | 0.00002 | EPA 200.8        | 11-Jun-15/O        | < 0.00002            |     |  |
| Chromium                 | mg/L    | 0.002   | SM 3120          | 12-Jun-15/O        | < 0.002              |     |  |
| Chromium (VI)            | mg/L    | 0.002   | MOE E3056        | 15-Jun-15/O        | < 0.002 <sup>1</sup> |     |  |
| Copper                   | mg/L    | 0.002   | SM 3120          | 12-Jun-15/O        | 0.006                |     |  |
| Iron                     | mg/L    | 0.005   | SM 3120          | 12-Jun-15/O        | 0.006                |     |  |
| Lead                     | mg/L    | 0.00002 | EPA 200.8        | 11-Jun-15/O        | 0.00044              |     |  |
| Manganese                | mg/L    | 0.001   | SM 3120          | 12-Jun-15/O        | 0.002                |     |  |
| Selenium                 | mg/L    | 0.001   | EPA 200.8        | 11-Jun-15/O        | < 0.001              |     |  |
| Silver                   | mg/L    | 0.00002 | EPA 200.8        | 11-Jun-15/O        | < 0.00002            |     |  |
| Zinc                     | mg/L    | 0.005   | SM 3120          | 12-Jun-15/O        | 0.044                |     |  |



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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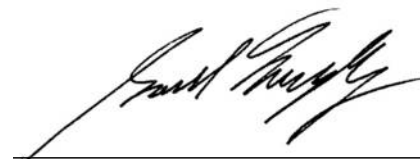
SAMPLE MATRIX: Drinking Water

WATERWORKS NO.

|                  |              |               |                         |                           |                     |  |  |
|------------------|--------------|---------------|-------------------------|---------------------------|---------------------|--|--|
|                  |              |               | <b>Client I.D.</b>      | Raw Drinking Water        | Treated - Turbidity |  |  |
|                  |              |               | <b>Sample I.D.</b>      | B15-13557-1               | B15-13557-2         |  |  |
|                  |              |               | <b>Date Collected</b>   | 06-Jun-15                 |                     |  |  |
| <b>Parameter</b> | <b>Units</b> | <b>M.D.L.</b> | <b>Reference Method</b> | <b>Date/Site Analyzed</b> |                     |  |  |

1 Chromium (VI) result is based on total chromium

2 Subcontracted to Niagara Analytical



M.D.L. = Method Detection Limit

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Gord Murphy  
Lab Supervisor