

**C.O.C.: DW 15523**

**REPORT No. B15-15523**

**Report To:**

**Municipality of Igloolik**  
PO Box 30,  
Igloolik NU X0A 0L0 Canada

**Attention:** Brian Fleming

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DATE RECEIVED: 25-Jun-15

JOB/PROJECT NO.: Raw Drinking Water

DATE REPORTED: 23-Jul-15

P.O. NUMBER:

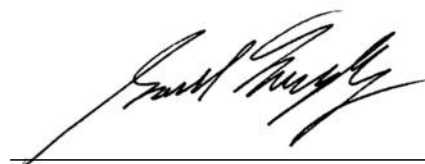
SAMPLE MATRIX: Drinking Water

WATERWORKS NO.

|                          |       |         | Client I.D.      | Raw Drinking Water-Fish Lake | Treated Water Truck - Turbidity |      |  |
|--------------------------|-------|---------|------------------|------------------------------|---------------------------------|------|--|
|                          |       |         | Sample I.D.      | B15-15523-1                  | B15-15523-2                     |      |  |
|                          |       |         | Date Collected   | 23-Jun-15                    | 23-Jun-15                       |      |  |
| Parameter                | Units | M.D.L.  | Reference Method | Date/Site Analyzed           |                                 |      |  |
| Turbidity                | NTU   | 0.1     | SM 2130          | 29-Jun-15/O                  | 1.7                             | 19.1 |  |
| TDS (Calc. from Cond.)   | mg/L  |         | Calc.            | 03-Jul-15                    | 21.0                            |      |  |
| Phenolics                | mg/L  | 0.001   | MOEE 3179        | 03-Jul-15/O                  | < 0.001                         |      |  |
| Surfactants Content      | mg/L  | 0.05    | SM-5540-C        | 22-Jul-15/O                  | 1.70 <sup>2</sup>               |      |  |
| Chloride                 | mg/L  | 0.5     | SM4110C          | 25-Jun-15/O                  | 3.5                             |      |  |
| Fluoride                 | mg/L  | 0.1     | SM4110C          | 25-Jun-15/O                  | < 0.1                           |      |  |
| Nitrate (N)              | mg/L  | 0.1     | SM4110C          | 25-Jun-15/O                  | < 0.1                           |      |  |
| Nitrite (N)              | mg/L  | 0.1     | SM4110C          | 25-Jun-15/O                  | < 0.1                           |      |  |
| Sulphate                 | mg/L  | 1       | SM4110C          | 25-Jun-15/O                  | 1                               |      |  |
| Dissolved Organic Carbon | mg/L  | 0.2     | EPA 415.1        | 06-Jul-15/O                  | 1.1                             |      |  |
| Total Cyanide            | mg/L  | 0.005   | SM 4500CN        | 29-Jun-15/K                  | < 0.005                         |      |  |
| Arsenic                  | mg/L  | 0.0001  | EPA 200.8        | 29-Jun-15/O                  | < 0.0001                        |      |  |
| Barium                   | mg/L  | 0.001   | SM 3120          | 26-Jun-15/O                  | < 0.001                         |      |  |
| Cadmium                  | mg/L  | 0.00002 | EPA 200.8        | 29-Jun-15/O                  | 0.00002                         |      |  |
| Chromium (VI)            | mg/L  | 0.002   | MOE E3056        | 26-Jun-15/O                  | < 0.002 <sup>1</sup>            |      |  |
| Copper                   | mg/L  | 0.002   | SM 3120          | 26-Jun-15/O                  | < 0.002                         |      |  |
| Iron                     | mg/L  | 0.005   | SM 3120          | 26-Jun-15/O                  | 0.047                           |      |  |
| Lead                     | mg/L  | 0.00002 | EPA 200.8        | 29-Jun-15/O                  | 0.00003                         |      |  |
| Manganese                | mg/L  | 0.001   | SM 3120          | 26-Jun-15/O                  | 0.004                           |      |  |
| Selenium                 | mg/L  | 0.001   | EPA 200.8        | 29-Jun-15/O                  | < 0.001                         |      |  |
| Silver                   | mg/L  | 0.00002 | EPA 200.8        | 29-Jun-15/O                  | < 0.00002                       |      |  |
| Zinc                     | mg/L  | 0.005   | SM 3120          | 26-Jun-15/O                  | < 0.005                         |      |  |

<sup>1</sup> Chromium (VI) result is based on total chromium

<sup>2</sup> Subcontracted to Niagara Analytical



Gord Murphy  
Lab Supervisor

R.D.L. = Reported Detection Limit

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

Uncertainty Values available upon request

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.