

Client: City of Iqaluit
PO Box 460
Iqaluit, NU
X0A 0H0
Attention: Mr. Paul Clow
PO#:
Invoice to: City of Iqaluit

Report Number: 1216083
Date Submitted: 2012-07-27
Date Reported: 2012-08-07
Project:
COC #: 154296

Page 1 of 7

Dear Paul Clow:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, Ontario Ministry of Agriculture, Food and Rural Affairs(for farm soils), Licensed by Ontario MOE for specific tests in drinking water.

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only.

Client: City of Iqaluit
 PO Box 460
 Iqaluit, NU
 X0A 0H0
 Attention: Mr. Paul Clow
 PO#:
 Invoice to: City of Iqaluit

Report Number: 1216083
 Date Submitted: 2012-07-27
 Date Reported: 2012-08-07
 Project:
 COC #: 154296

| | | | | | Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D. |
|-------------------|---------------------------------------|--------|-------|------------|--|
| | | | | | 974525 Water 2012-07-25 Raw |
| Group | Analyte | MRL | Units | Guideline | |
| Calculations | Hardness as CaCO ₃ | 1 | mg/L | OG-100 | 12 |
| | TDS (COND - CALC) | 1 | mg/L | AO-500 | 25 |
| General Chemistry | Acidity as CaCO ₃ | 5 | mg/L | | <5 |
| | Alkalinity as CaCO ₃ | 5 | mg/L | OG-500 | 15 |
| | Cl | 1 | mg/L | AO-250 | 1 |
| | CO ₃ as CaCO ₃ | 1 | mg/L | | N/A-PH |
| | Conductivity | 5 | uS/cm | | 38 |
| | HCO ₃ as CaCO ₃ | 1 | mg/L | | 15 |
| | OH | 0.01 | mg/L | | N/A-PH |
| | pH | 1.00 | | 6.5-8.5 | 6.76 |
| | SO ₄ | 3 | mg/L | AO-500 | 3 |
| | TOC | 0.5 | mg/L | | 2.4 |
| | Total Inorganic Carbon | 2.0 | mg/L | | 3.7 |
| | Total Suspended Solids | 2 | mg/L | | <2 |
| Mercury | Hg | 0.0001 | mg/L | MAC-0.001 | <0.0001 |
| Metals | Ag | 0.0001 | mg/L | | <0.0001 |
| | Al | 0.01 | mg/L | OG-0.1 | <0.01 |
| | As | 0.001 | mg/L | IMAC-0.025 | <0.001 |
| | B | 0.01 | mg/L | IMAC-5.0 | <0.01 |
| | Ba | 0.01 | mg/L | MAC-1.0 | <0.01 |
| | Be | 0.0005 | mg/L | | <0.0005 |
| | Ca | 1 | mg/L | | 5 |
| | Cd | 0.0001 | mg/L | MAC-0.005 | <0.0001 |
| | Co | 0.0002 | mg/L | | <0.0002 |
| | Cr | 0.001 | mg/L | MAC-0.05 | <0.001 |
| | Cu | 0.001 | mg/L | AO-1.0 | 0.003 |

Guideline = odwsog

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

Client: City of Iqaluit
PO Box 460
Iqaluit, NU
X0A 0H0
Attention: Mr. Paul Clow
PO#:
Invoice to: City of Iqaluit

Report Number: 1216083
Date Submitted: 2012-07-27
Date Reported: 2012-08-07
Project:
COC #: 154296

| | | | | Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D. | 974525 Water 2012-07-25 Raw |
|-----------|-------------------------------|--------|-------|--|--|
| Group | Analyte | MRL | Units | Guideline | |
| Metals | Fe | 0.03 | mg/L | AO-0.3 | 0.05 |
| | K | 1 | mg/L | | <1 |
| | Mg | 1 | mg/L | | <1 |
| | Mn | 0.01 | mg/L | AO-0.05 | 0.02 |
| | Mo | 0.005 | mg/L | | <0.005 |
| | Na | 2 | mg/L | AO-200 | <2 |
| | Ni | 0.005 | mg/L | | <0.005 |
| | Pb | 0.001 | mg/L | MAC-0.010 | <0.001 |
| | Sb | 0.0005 | mg/L | IMAC-0.006 | <0.0005 |
| | Se | 0.001 | mg/L | MAC-0.01 | <0.001 |
| | Si | 0.1 | mg/L | | 0.6 |
| | Sr | 0.001 | mg/L | | 0.011 |
| | Ti | 0.01 | mg/L | | <0.01 |
| | Tl | 0.0001 | mg/L | | <0.0001 |
| | V | 0.001 | mg/L | | <0.001 |
| | Zn | 0.01 | mg/L | AO-5.0 | <0.01 |
| Nutrients | Dissolved Reactive Phosphorus | 0.01 | mg/L | | <0.01 |

Guideline = ODWSOG

*** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

Client: City of Iqaluit
 PO Box 460
 Iqaluit, NU
 X0A 0H0
 Attention: Mr. Paul Clow
 PO#:
 Invoice to: City of Iqaluit

Report Number: 1216083
 Date Submitted: 2012-07-27
 Date Reported: 2012-08-07
 Project:
 COC #: 154296

QC Summary

| Analyte | Blank | QC % Rec | QC Limits |
|--|--------------|-------------|--------------|
| Run No 0 Analysis Date 2012-08-07 Method SM 2320B | | | |
| CO3 as CaCO3 | | | |
| Hardness as CaCO3 | | | |
| HCO3 as CaCO3 | | | |
| OH | | | |
| TDS (COND - CALC) | | | |
| Run No 235936 Analysis Date 2012-07-30 Method M SM3112B-3500B | | | |
| Hg | <0.0001 mg/L | 99 | 70-130 |
| Run No 235949 Analysis Date 2012-07-30 Method SM 2320B | | | |
| Alkalinity as CaCO3 | <5 mg/L | 102 | 95-105 |
| Conductivity | <5 uS/cm | 100 | 95-105 |
| pH | 5.74 | 100 | 90-110 |
| Run No 235972 Analysis Date 2012-07-31 Method M SM3120B-3500C | | | |
| Ca | <1 mg/L | 99 | 80-120 |
| K | <1 mg/L | 103 | 80-120 |

Guideline = ODWSOG

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

Client: City of Iqaluit
 PO Box 460
 Iqaluit, NU
 X0A 0H0
 Attention: Mr. Paul Clow
 PO#:
 Invoice to: City of Iqaluit

Report Number: 1216083
 Date Submitted: 2012-07-27
 Date Reported: 2012-08-07
 Project:
 COC #: 154296

QC Summary

| Analyte | Blank | QC % Rec | QC Limits |
|--|--------------|-------------|--------------|
| Mg | <1 mg/L | 95 | 80-120 |
| Na | <2 mg/L | 100 | 80-120 |
| Run No 236005 Analysis Date 2012-07-31 Method SM 4110C | | | |
| Cl | <1 mg/L | 99 | 90-110 |
| SO4 | <3 mg/L | 107 | 90-110 |
| Run No 236012 Analysis Date 2012-07-31 Method EPA 200.8 | | | |
| Ag | <0.0001 mg/L | 97 | 89-111 |
| Al | <0.01 mg/L | 100 | 90-110 |
| As | <0.001 mg/L | 108 | 81-119 |
| B | <0.01 mg/L | 94 | 81-119 |
| Ba | <0.01 mg/L | 99 | 91-109 |
| Be | <0.0005 mg/L | 97 | 82-118 |
| Cd | <0.0001 mg/L | 101 | 86-114 |
| Co | <0.0002 mg/L | 102 | 88-112 |
| Cr | <0.001 mg/L | 101 | 89-111 |
| Cu | <0.001 mg/L | 104 | 86-114 |
| Fe | <0.03 mg/L | 98 | 88-112 |

Guideline = ODWSOG

*** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

Client: City of Iqaluit
PO Box 460
Iqaluit, NU
X0A 0H0
Attention: Mr. Paul Clow
PO#:
Invoice to: City of Iqaluit

Report Number: 1216083
Date Submitted: 2012-07-27
Date Reported: 2012-08-07
Project:
COC #: 154296

QC Summary

| Analyte | Blank | QC % Rec | QC Limits |
|--|--------------|-------------|--------------|
| Mn | <0.01 mg/L | 99 | 91-109 |
| Mo | <0.005 mg/L | 101 | 84-116 |
| Ni | <0.005 mg/L | 100 | 92-108 |
| Pb | <0.001 mg/L | 100 | 89-111 |
| Sb | <0.0005 mg/L | 106 | 77-123 |
| Se | <0.001 mg/L | 100 | 77-123 |
| Sr | <0.001 mg/L | 101 | 91-109 |
| Ti | <0.01 mg/L | 95 | 88-112 |
| Tl | <0.0001 mg/L | 101 | 88-112 |
| V | <0.001 mg/L | 100 | 88-112 |
| Zn | <0.01 mg/L | 102 | 89-111 |
| Run No 236026 Analysis Date 2001-01-00 Method C SM4500-PF | | | |
| Dissolved Reactive Phosphorus | <0.01 mg/L | 101 | 89-111 |
| Run No 236101 Analysis Date 2012-08-02 Method EPA 200.8 | | | |
| Si | <0.1 mg/L | | |
| Run No 236124 Analysis Date 2012-08-02 Method SM 2310B | | | |
| Acidity as CaCO ₃ | <5 mg/L | | |

Guideline = ODWSOG*** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

Client: City of Iqaluit
 PO Box 460
 Iqaluit, NU
 X0A 0H0
 Attention: Mr. Paul Clow
 PO#:
 Invoice to: City of Iqaluit

Report Number: 1216083
 Date Submitted: 2012-07-27
 Date Reported: 2012-08-07
 Project:
 COC #: 154296

QC Summary

| Analyte | Blank | QC % Rec | QC Limits |
|--|-----------|-------------|--------------|
| Run No 236140 Analysis Date 2012-08-02 Method C SM5310C | | | |
| TOC | <0.5 mg/L | 98 | 84-116 |
| Total Inorganic Carbon | | | 85-115 |
| Run No 236178 Analysis Date 2012-08-03 Method C SM2540 | | | |
| Total Suspended Solids | <2 mg/L | 103 | 90-110 |

Guideline = ODWSOG*** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.