Appendix G7

2016 Groundwater Monitoring Program Report

AGNICO EAGLE

MEADOWBANK GOLD MINE

2016 Groundwater Monitoring Report

In Accordance with

NWB Water License 2AM-MEA1525

and

NIRB Project Certificate No.004

Prepared by:

Agnico Eagle Mines Limited – Meadowbank Division

March 2017

EXECUTIVE SUMMARY

The 2016 groundwater monitoring program at Meadowbank was conducted in accordance with the Groundwater Monitoring Plan (AGNICO EAGLE, 2015). The objective of this program is to document any effects of mining on groundwater quality, particularly with respect to tailings deposition. This is done by monitoring the salinity of shallow and deep groundwater. The recorded data is also used to update water quality predictions at the site.

In 2016, wells MW-08-02 and a new well, MW-16-01, were each sampled in the fall. As recommended by Golder (2012), attempts were also made to supplement the groundwater sampling program using alternative sources such as production drill holes. In 2016, the alternate sources included three geotechnical drill holes that were successfully sampled: Portage pit E3 (B6 and B7), North Pit A and a temporary well installed at Pit E4-24. Analysis of key parameters indicated this to be groundwater. Therefore, these results are included in the 2016 report.

Concentrations of all parameters measured in groundwater samples in 2016 are provided in this report, along with a year-over-year comparison of salinity-related results that are relevant to the site water quality model. All current and historical results are provided in Appendix C.

All measured concentrations of other metals were below NWB license limits for discharge to surface water for all locations, and were within the range of historical results (see Appendix C).

DISTRIBUTION LIST

AGNICO EAGLE – Geology Superintendent

AGNICO EAGLE – Engineering Superintendent

AGNICO EAGLE – Geotechnical Engineer

AGNICO EAGLE – Environment Superintendent

AGNICO EAGLE – Environmental Coordinator

AGNICO EAGLE – Environmental Technician

DOCUMENT CONTROL

Version	Date (YMD)	Section	Revision
1	2017/03	All	2016 Annual Report

Version 1

Prepared By: Laurie Tremblay, Ph.D. Project Manager SNC-Lavalin

Approved By: 

Erika Voyer

Environmental General Supervisor

Jamie Quesnel

Environmental Superintendent Nunavut

TABLE OF CONTENTS

APPENDICES

LIST OF TABLES

1 INTRODUCTION

Parts of Goose and Portage Pits at the Meadowbank mine site are being developed in open talik (unfrozen ground that extends to the base of the permafrost) zones underneath Second and Third Portage Lakes. The tailings storage facilities (TSF) – North and South Cells - are located in the former basin of the northwest arm of Second Portage Lake. This area is also believed to be situated over an open talik. As a result, groundwater monitoring wells have been installed to provide information on groundwater quality in these taliks prior to and during mine operation.

1.1 OBJECTIVE

This document provides a summary of the 2016 groundwater monitoring program carried out at the Meadowbank mine. This monitoring program is conducted in support of the Groundwater Monitoring Plan (AGNICO EAGLE, 2015). The objectives of this program are to:

- Validate the pit groundwater inflow component of the site water quality model by monitoring the salinity and quality of the deep groundwater and;
- Measure the effects of mining on groundwater quality, if any, against pre-mining and pre-tailing deposition benchmarks.

1.2 MONITORING LOCATIONS

Groundwater flow and quality data have been collected from the Portage area since 2003, and have been used to validate water quality modelling. Locations of all groundwater monitoring stations are shown in appendix 1.

Two wells are currently operable (MW-16-01 and MW-08-02). Other wells, drilled in 2003, 2006, 2008, 2011 and 2014, are now inoperable for various reasons at the exception of well MW-08-02. Four monitoring wells were installed at Meadowbank in 2003. Three of these wells (MW-03-02, MW-03-03 and MW-03-04) were damaged by frost action between 2004 and 2006. The fourth (MW-03-01) was operable until 2010 when it was also damaged by frost action. Three defective wells were replaced in 2006 (MW-06-05, MW-06-06 and MW-06-07). Again, these were damaged by frost action. Two were replaced in 2008 with a more robust design (MW-08-02 and MW-08-03). Well MW-11-01 was installed adjacent to the Goose Island pit location to replace MW-03-01, and well MW-11-02 was installed, at the tailings storage facility to replace MW-06-07; to monitor shallow groundwater below the basin where tailings are deposited. Well MW-11-01 was decommissioned in 2012 after being damaged during site operations. In 2012, well MW-11-02 could not be sampled as it became obstructed by development materials throughout the groundwater monitoring program. Unsuccessful attempts were made in 2013, 2014, and 2015 to remove the material. Therefore, MW-11-02 was replaced in 2014 with a new well, MW-14-01 and again this well was condemned since it was damaged by frost action and replaced by MW-16-01 in 2016. MW-11-02 was decommissioned in 2016 and bentonite was discharged into the well. Well MW-08-03 was blocked with an ice bridge in 2010, 2011 and 2012. Advancements were made in 2013 using a saline solution, and a sample was taken. This sampled was considered unrepresentative after analysis since the salinity of the sample was too elevated when compare to previous samples. In 2014, 2015 and 2016 the blockage was removed, but the well was dry and could not be sampled. The Meadowbank Mine currently has two operating groundwater monitoring wells left: MW-16-01 and MW-08-02.

As recommended in the 2012 monitoring report (Golder, 2012), attempts have also been made to augment the groundwater sampling program when groundwater is encountered though other means (e.g. sumps, pit wall seeps, production drill holes). Seep samples were collected in 2014, but parameters were not representative of groundwater, so this program was not prioritized for sampling. However, in 2015, geotechnical drill holes in Portage Pit E3 (B2 and B6) were advanced horizontally and water flowing from these two holes was sampled. Efforts to keep these holes flowing and available for sampling in the future are being undertaken. In 2016, two additional holes were available for sampling. One in South Portage Pit E (Pit E3-B7) and one in North Portage Pit A (GW-Pit A). A temporary well (Pit E4-24) was also sampled.

Overall in 2016, groundwater samples were collected at two open monitoring well (MW-08-02 and MW-16-01), from two geotechnical holes in Portage Pit E3 (B6 and B7) and from one in North Portage Pit A. One sample was taken from a temporary well (Pit E4-24) located in the southern section of South Portage Pit E. These sampling locations are described below, and are mapped at appendix A. Attempts were made to sample well MW-08-03 in 2016, but the well was dry.

Table 1: UTM coordinates for the Meadowbank groundwater monitoring locations in 2016.

Monitoring Location	Type	Easting	Northing	2016 Sampling events
MW-08-02	Well	639185	7213901	September 18th and 19th
MW-16-01	Well	638751	7214428	November 10th and 14th
Pit E3 B6	Horizontal drill hole	638918	7213200	January 12th
Pit E3 B7	Horizontal drill hole	638895*	7213198*	March 3rd and July 3rd
Pit E4 24	Temporary well	639003	7213071	August 18th
GW-Pit A	Vertical preshear drill hole	638997*	7215151*	October 21st

Note *: Approximate locations

2 SAMPLING METHODS

In general, monitoring wells are thawed by energizing previously installed heating cables. Once completely thawed, each well is purged to remove melt water from the casing, which is not representative of formation water. Purging operation aimed for a minimum of three well volumes and until stabilization of field-indicator parameters (conductivity, temperature, pH) to within 10% prior to sample collection. In practice, well sampling at Meadowbank has proven to be difficult due to frequent formation of ice bridges and malfunction of heating cables due to the extreme weather conditions. The specific methodologies followed to obtain samples from monitoring wells and drill holes are described below for each monitoring station. MW-16-01 water level measurements and recorded field parameters during well development are included in Appendix B.

2.1 MW-08-02

Sampling this particular well is always very challenging due to many factors including heat trace malfunction, problems with the steamer maintenance and cold weather during purging and sampling. This well was operated for the longest period of time compared to the others. In 2016, two samples were collected: one on September 18th and another one on September 19th. An ice blockage was found from 26 to 155 meters below ground surface (mbgs). In 2015, the ice blockage started at 3.78 mbgs. Each year, the ice blockage seems to be found deeper at this well. Prior sampling operation, the ice was melted with a steam machine. Afterwards, the well was purged dry, four times, by injecting air into the well, for a total of approximately 450 liters of water. A sample was collected as soon as sufficient water recovered into the well and then, the well was left overnight. In 24 hours, the static water level increased to 34.65 mbgs and no ice blockage was observed above 155 mgbs. Before taking a second sample, air was injected at 155 mbgs to purge the well dry and by removing approximately 100 liters of water. Upon recovery, a second sample was taken. The use of a low flow pump to sample was not possible due to the unreliable heat trace, cold weather, and the high risk of having the pump and tubing freezing in the well (this would cause the well to be non-usable for future sampling). As a result sampling was conducted using a dedicated line injecting air to push water out of the well. This method was considered the most practical way to obtain a representative sample without endangering the integrity of the well.

2.2 MW-08-03

This monitoring well was blocked by ice in 2010, 2011 and 2012. A sample was obtained in 2013, but the addition of salt water to help thaw the well impacted salinity parameters. In 2014, the heating cables were energized and a steamer was successfully used to unblock the well to a depth of 169.6 mbgs, allowing 195 liters to be purged. However, the well remained dry after this date, and no sample was taken in 2014. In 2015 and 2016, the well was still dry and no sample could be collected.

2.3 MW-16-01

This well was installed on November 7th 2016. The purge started from the installation day, November 7th, and continued until the final day of sampling on November 14th 2016. A total of 3,320 L were purged, and field parameters were recorded with every purge volume up to 13 times daily. A first sample was collected on November 10th. At the time of sampling, the water level was at 4.45 m along hole (m-ah), and the well extends up to 101 m-ah. A second sample was collected on November 14th 2016. At the time of sampling, the water level was at 3.20 m-ah, and the well extended up to 101 m-

ah. This well was installed at an angle of 73°, so these values represent distance along hole rather than mbgs. The sample was collected at a depth of 55 mbgs.

2.4 SOUTH PORTAGE PIT E3 DRILL HOLES

Samples were taken directly at the outlet of each horizontal drill holes (10 ft pipes were installed by the Engineering Department to improve flow). Drill hole B6 was sampled on January 12th and drill hole B7 was sampled on March 1st. Drilling length of each drill hole was 86 m-ah for B6 and 84 m-ah for B7, respectively.

2.5 NORTH PORTAGE PIT A DRILL HOLE

Samples were taken directly at the outlet of the casing of a vertical preshear drill holes at an elevation of 25 m. Drill hole Pit A was sampled on October 21st 2016. This sample was not collected under controlled conditions and potential contamination of the groundwater sample is possible.

2.6 TEMPORARY WELL PIT E4-24 SOUTH PORTAGE

Location E Pit 4-24 was sampled on the 18th of August 2016. E Pit 4-24 is a temporary well that was used in July and August 2016 to reduce water table for slope stability purposes. However, it has not been used since. It is a vertical hole of 6 inches in diameter, and of 65 meters depth. A 3 HP submersible pump was installed at 60 mbgs.

For E PIT 4-24, the water was pumped from the bottom of the hole at 60 mbgs, through blue flexible hose and discharged in pit E3. Water was collected directly from the blue hose, since pumping was continuous, thus ensuring sufficient purging.

3 REGULATORY LIMITS

No regulatory guidelines or limits apply to groundwater quality in this monitoring program. For illustrative purposes, results are compared to limits established in the NWB Water License for discharge of effluent to Third Portage Lake. While groundwater is not currently being discharged in this manner, this comparison provides a conservative estimate of any potential for effects on biota, since the pit area will eventually be returned to aquatic habitat, as part of reflooding in closure.

In July 2015, AGNICO EAGLE received a renewed Water License from the Nunavut Water Board for the Meadowbank site. Groundwater samples collected were analyzed according to the expanded parameter list in the updated license (2AM-MEA1525).

4 QUALITY ASSURANCE / QUALITY CONTROL

Guideline procedures provided by the USEPA (2002) were followed as much as possible during the sampling program to ensure that the samples collected from the wells were representative of water flowing through the targeted rock formations. These procedures included the following:

- Measurement of field parameters at selected intervals until stable readings (within 10% of each other) were acquired;
- Minimizing the exposure of the sampled water to the atmosphere (related to use of a low-flow pump, which was not used in 2016 due to frost action;
- Using compressed, inert gas (nitrogen) to lift water from the well for sampling to avoid changing the redox properties of the formation water (air was used instead of nitrogen in 2016 due to technical difficulties);
- Conducting in-situ measurements of sensitive chemical parameters (temperature, pH, conductivity);
- Keeping the samples refrigerated from the time of collection until shipment to the laboratory; and,
- Shipping the samples to the laboratory in temperature-regulated coolers within the specified sample holding times (24 h).

In addition, a duplicate sample was taken for one location and submitted as a blind duplicate to the laboratory. Where both results were higher than five times the method detection limit (MDL), the relative percent difference (RPD) was calculated as:

RPD = absolute difference in concentration/average concentration x 100

USEPA (1994) indicates that in general an RPD of 20% or less is acceptable. Where one or both results are less than five times the MDL, a margin of +/- MDL is acceptable.

5 RESULTS

5.1 GENERAL GROUNDWATER CHEMISTRY

Results of all groundwater analyses to date are provided in Appendix C, and laboratory reports are provided in Appendix D. NWB Water License 2AM-MEA1525 limits for discharge to surface water (maximum average) are provided for context. Historical trends for values above license limits are discussed below. Results for tailings-related parameters are discussed in Section 5.2, and salinity-related parameters which are important in the water quality model are discussed in Section 5.3.

5.1.1 MW-08-02

For MW-08-02, measured Total Suspended Solids (TSS) values (16 and 20 mg/L) exceeded the comparative guideline of 15 mg/L, but this is very common in groundwater samples and has occurred frequently in Meadowbank monitoring wells since 2004 (before operation began). Moreover, the values found in 2016 are about half of the ones recorded in 2015.

Total zinc values recorded in 2016 are below the comparative NWB limit for discharge to surface water of 0.4 mg/L, with concentration values of 0.092 and 0.027. The values recorded in 2015 exceeded the comparative NWB limit for discharge to surface water, however it was concluded that these results were not indicative of tailings water percolation into groundwater (see 2015 Annual Report). All other parameters were below NWB limits for discharge to surface water and were similar to those observed historically onsite.

5.1.2 MW-16-01

For MW-16-01, measured TSS values (43 and 39 (DUP) mg/L) exceeded the comparative guideline of 15 mg/L, but this is very common in groundwater samples and has occurred frequently in onsite wells since 2004 (before operation began). All other parameters were below NWB limits for discharge to surface water and were similar to those observed historically onsite

5.1.3 Pit E3

In samples collected from horizontal geotechnical boreholes in Pit E3 (B6 and B7), all parameters were below NWB limits for discharge to surface water and were similar to those observed historically onsite.

5.1.4 Pit E4

In samples collected from temporary well in Pit E4-24, all parameters were below NWB limits for discharge to surface water and were similar to those observed historically onsite.

5.1.5 Pit A

In samples collected from vertical preshear drill holes in Pit A on October 21st 2016, the nitrate concentration recorded exceeded the comparative guideline of 20 mg/L. It was the first year this well was sample and no duplicate were taken. High concentration of ammonia can also be explained with presence of emulsion and blasting residuals from the area. It should be noted that the sampling was conducted in a production hole and cross contamination could have occurred. All parameters were below NWB limits for discharge to surface water and were similar to those observed historically onsite. A follow up should be done close to this location in 2017, if possible.

5.2 TAILINGS-RELATED PARAMETERS

Concentrations of cyanide and copper were assessed to track any potential movement of tailings percolation water into groundwater, since these parameters are elevated in reclaim water of the South Cell Tailing Storage Facility (TSF). For context, average total cyanide and dissolved copper concentrations in reclaim water samples of the South Cell TSF were respectively 3.93 and 0.094 mg/L, as measured in 2016 at ST-21 (see 2016 Annual Report). Concentrations of these parameters in monitoring wells and drill holes in 2016 (see Appendix A) were below NWB license limits for discharge to surface water (0.5 and 0.1 mg/L, respectively for total cyanide and dissolved copper).

All total cyanide and dissolved copper values for MW-08-02, MW-16-01, Pit E3, Pit A and Pit E4 were similar to historical groundwater results, including background results (see Appendix A), indicating no measured movement of water from the TSF into groundwater at these locations.

Concentrations of cyanide will continue to be monitored at this location with two sampling events planned in groundwater wells for 2017 (spring and fall).

5.3 SALINITY RESULTS

Concentrations of total dissolved solids (TDS), chloride and conductivity values since monitoring began in 2003 are shown in Table 2. In 2016, results for MW-08-02 are higher than the values recorded in 2015 but similar to past values for this location. Values recorded in the new well, MW-16-01, are comparable to 2015 values recorded at MW-14-01 (located in the same zone) and other stations. Salinity results for the Pit E3 drill holes were generally equivalent of those observed historically onsite in groundwater samples, at the exception of B6 with a higher recorded conductivity. However, salinity results in groundwater are no longer considered a significant factor, since discharge to the environment from the Portage Attenuation Pond has ceased, and based on water quality modelling (SNC, 2016), pit water will not exceed CCME guidelines for chloride at closure. Moreover, chloride concentrations range from 35 mg/L to a maximum concentration of 360 mg/L.

Table 2: Concentrations of salinity related parameters for 2003-present.

Location	Name	Lithology	Year	TDS[1] (mg/L)	Conductivity (µS/cm)	Chloride (mg/L)
Goose Island	MW-03-01	Ultramafic	2003	793	*1855*	626
			2004	1335	2900	845
			2006	315*	460*	81*
			2007	389	588	126
			2008	1100	3200	950
			2009	1900*	3350*	970*
			2010	340	*335**	5.7
	MW-11-01	Int Volcanic	2011[2]	14840[2]	*3999*[2]	10271[2]
	ST-GW-1s	Iron Formation/Int Volcanic	2013	203	-	16.9
	ST-GW-04	Ultramafic/Int Volcanic/Iron Formation	2014	418	719	40.4
Second Portage	MW-08-02	Int Volcanic	2008	510*	*808**	160
			2009	520*	705*	160*
			2010	450	*690**	160
			2011	523	*782**	169
			2012	307**	*616**	111
			2013	399	842	126
			2014	843	*1006*	287
			2015-Dec 3	39	95	5.7
			2015-Dec 4	74*	109	13.7*
			2016-Sept	440	*630*	103
	MW-08-03	Int Volcanic	2013	2408	644	2427
	Pit E3-B2	Soapstone/Iron Formation	2015	55	*307*	19.7
	Pit E3-B6		2015	185	*300*	19.1
			2016-Jan	260	*1413*	53.5
	Pit E3-B7		2016-Mar	-	*353*	61
	Pit E4		2016-Aug	180	*255*	8,8
Second Portage – Northwest arm	BH-10-01	Int Volcanic	2010	670*	935*	17
	MW-11-02	Int Volcanic	2011	263	*400**	20.9
	MW-14-01	Int Volcanic	2014[2]	3152[2]	*5030*[2]	1777[2]
			2015-May	1277	*1493*	272
			2015-Aug	1209	*2140*	361
	MW-16-01	Int Volcanic	2016-Nov	1349	*1673*	230
North Portage Pit A	GW-Pit-A		2016-Oct	916	*1590*	35

[1] Laboratory measurement except for in 2011 which reported values as dissolved solids.
[2] Affected by installation brine solution.
*Average of sample and duplicate.
**TDS value calculated from laboratory measured values of dissolved constituents.
Italic – field measured value.

5.4 QA/QC

Relative percent difference (RPD) values calculated from the duplicated pair of results are provided in Table 3. RPDs exceeded the recommended 20% for total cyanide, TDS, total copper, total chromium, cadmium, and dissolved aluminium. For cases where comparison by MDLs was appropriate, the difference exceeded 1 MDL for all of them. All of these concentrations are below the criteria for discharge to surface water, where criteria are available) and within the range of values observed historically onsite.

Table 3. Relative percent difference (RPD) values or +/- method detection limit (MDL) values (*) for duplicated samples in 2016. Values exceeding 20% RPD are shaded in grey.

Parameters	Units	MW-16-01	MW-16-01 DUP	RPD/MDL
Alkalinity	mg $CaCO_3$/L	185	186	<1*
Bicarbonate Alkalinity	mg $CaCO_3$/L	185	186	<1*
Carbonate Alkalinity	mg $CaCO_3$/L	<2	<2	<1*
Ammonia	mg N/L	0.07	0.06	<2*
Ammonia nitrogen	mg N/L	3.16	3.01	5
Calcium	mg/L	180	190	5
Chloride	mg/L	230	231	<2*
Fluoride	mg/L	-	0.29	-
Cyanide (Cn(tot))	mg/L	0.09	0.033	93
DOC	mg/L	20	18.7	<2*
Free cyanide	mg/L	0.015	0.013	<4*
Hardness	mg/L	744	797	7
Kjeldahl nitrogen	mg N/L	25.2	25.1	0.4
Magnesium	mg/L	71.7	78.5	9
Nitrate (NO_3)	mg N/L	<0.01	<0.01	<1*
Nitrite (NO_2)	mg N/L	0.02	0.02	0
Orthophosphate	mg P/L	0.05	0.05	0
Potassium	mg/L	9.41	10	6
Reactive silica	mg/L	7.9	8	<2*
Sodium	mg/L	200	216	8
Sulphate (SO_2^{-4})	mg SO_4/L	754	758	0.5
TDS	mg/L	1349	133	164
TOC	mg/L	20	18.7	<2*
Total Phosphorus	mg P/L	0.1	0.09	<1*
TSS	mg/L	43	39	10
Total Aluminum	mg/L	0.257	0.288	11
Total Antimony	mg/L	0.0001	0.0001	0
Total Arsenic	mg/L	0.2059	0.2074	1
Total Boron	mg/L	0.05	0.06	<1
Total Barium	mg/L	0.0609	0.058	5
Total Beryllium	mg/L	<0.0005	<0.0005	<1*
Total Cadmium	mg/L	0.00006	0.00004	<1*
Total Copper	mg/L	0.0065	0.0024	92.1
Total Chromium	mg/L	0.0019	0.0014	30.3

Parameters	Units	MW-16-01	MW-16-01 DUP	RPD/MDL
Total Iron	mg/L	5.81	6.74	15
Total Lithium	mg/L	0.015	0.015	0
Total Manganese	mg/L	2.017	2.01	0.3
Total Lead	mg/L	<0.0003	<0.0003	<1*
Total Mercury	mg/L	0.00008	0.00007	<2*
Total Molybdenum	mg/L	0.02	0.0188	6
Total Nickel	mg/L	0.0147	0.0157	7
Total Selenium	mg/L	0.005	0.006	<2*
Total Strontium	mg/L	0.905	0.825	9
Total Tin	mg/L	<0.001	<0.001	<1*
Total Titanium	mg/L	0.26	0.26	0
Total Thallium	mg/L	<0.0008	<0.0008	<1*
Total Uranium	mg/L	0.02	<0.021	5
Total Vanadium	mg/L	<0.0005	<0.0005	<1*
Total Zinc	mg/L	0.015	0.016	7
Dissolved Aluminum	mg/L	0.257	<0.006	191
Dissolved Antimony	mg/L	0.0001	0.0001	0
Dissolved Arsenic	mg/L	0.083	0.0774	7
Dissolved Boron	mg/L	0.05	0.06	<2*
Dissolved Barium	mg/L	0.052	0.0474	3
Dissolved Beryllium	mg/L	<0.0005	<0.0005	<1*
Dissolved Cadmium	mg/L	0.00006	0.00004	<1*
Dissolved Copper	mg/L	0.0025	0.0024	4
Dissolved Chromium	mg/L	0.0009	<0.0006	<1*
Dissolved Iron	mg/L	0.03	0.02	<1*
Dissolved Mercury	mg/L	0.00006	0.00007	<1*
Dissolved Lithium	mg/L	0.013	0.015	<1*
Dissolved Manganese	mg/L	1.992	1.924	4
Dissolved Molybdenum	mg/L	0.017	0.0159	7
Dissolved Nickel	mg/L	0.0136	0.013	5
Dissolved Lead	mg/L	<0.0003	<0.0003	<1*
Dissolved Selenium	mg/L	0.004	0.004	0
Dissolved Silver	mg/L	<0.0001	<0.0001	<1*
Dissolved Strontium	mg/L	0.779	0.841	8
Dissolved Tin	mg/L	<0.001	<0.001	<1*
Dissolved Titanium	mg/L	0.28	<0.26	<1*
Dissolved Thallium	mg/L	<0.0008	<0.0008	<1*
Dissolved Uranium	mg/L	0.02	0.018	<2*
Dissolved Vanadium	mg/L	<0.0005	<0.0005	<1*
Dissolved Zinc	mg/L	0.004	0.003	<1*

Note: < (when the difference is less than 1 or 2 time the detection limits)*

6 CONCLUSIONS

Currently, two monitoring wells on the Meadowbank mine site are able to provide samples at the intended depth (MW-08-02 and MW-16-01). Attempts to sample one other well (MW-08-03) continue, although this well has remained dry since 2014.

The collection of samples from alternative sources was successful in 2016, with sampling of two geotechnical drill holes in Portage pit (E3-B6 and E3-B7), a preshear drill holes in North Portage Pit A (GW-Pit A) and a temporary well (Pit E4). The AGNICO EAGLE Environment Department will monitor the flow of any potential drill holes in 2017 for potential sampling. Sampling from additional alternative sources will continue as opportunities arise.

Overall, concentrations of salinity-related parameters in samples collected from MW-08-02 in 2016 similar than those observed historically at this location. Concentrations found at MW-16-01 are similar to the former MW-14-01 well, located in the same area. Concentrations of salinity-related parameters at the drill holes in Pit E3 were similar than those observed elsewhere in groundwater onsite.

Total cyanide and copper, which are parameters indicative of tailings water movement into groundwater, were below NWB license limits at all locations, and were similar to historical results, indicating no measured movement of water from the TSF into groundwater at these locations. For the new well (MW-16-01), total cyanide values were recorded in the range of 0.1 mg/L, which is slightly lower than or similar to the 2014 concentrations at this location and lower than NWB limits for discharge to surface water, but higher than concentration observed in groundwater elsewhere onsite historically (<0.005 mg/L). At the toe of Central Dike, recent seepage observations are being a possible cause for higher concentrations. Additional investigation for the Central Dike seepage is ongoing and will continue in 2017. Results for dissolved copper were similar than those observed at this location in 2015. Concentrations of tailings-related parameters will continue to be closely monitored at this location to ensure that concentrations in groundwater are not rising, with two sampling events planned for 2017 (late spring and early fall).

All measured concentrations of other metals were below NWB license limits for discharge to surface water for all locations, and were within the range of historical results (see Appendix C).

7 ACTIONS

The following actions were planned for 2016. AGNICO EAGLE's responses are indicated below each action.

- Due to the difficulties encountered in maintaining and sampling monitoring wells, AGNICO EAGLE will continue to pursue opportunities for sampling groundwater from alternative sources as well as the existing wells.
    - 3 alternates source were sampled in 2016: Pit E3-B7, GW Pit A and a temporary well installed at E4-24.
- AGNICO EAGLE will in particular continue to monitor concentrations of zinc at MW-08-02, total cyanide and metals at GW-ST-14-01 in 2016, with an anticipated sampling frequency of 2x/yr.
    - In 2016, zinc was sampled at MW-08-02, and total cyanide and metals at GW-ST-14-01 (moreover a new well was installed at that location: MW-16-01)
- Based on results of the QA/QC duplicate analysis, AGNICO EAGLE will review the duplicate preparation and sample handling procedure in an effort to ensure optimal sample integrity.
    - Duplicate sampling was done by filling a clean 1L bottle and then by transferring the water into half the duplicate bottle and half the sampling bottle alternatively

The following actions are planned for 2017:

- Due to the difficulties encountered in maintaining and sampling monitoring wells, AGNICO EAGLE will continue to pursue opportunities for sampling groundwater from alternative sources as well as the existing wells. Additional sampling could also be done during other drilling investigation campaign on site.
- Follow up closely the concentration found at Pit A.
- Based on results of the QA/QC duplicate analysis, AGNICO EAGLE will review the duplicate preparation and sample handling procedure in an effort to ensure optimal sample integrity.
- Seek technical advice from subject matter expert on optimizing low-flow sampling techniques as well as further sampling improvements.
- Additional investigation for the Central Dike seepage is ongoing and will continue in 2017.
- Effort will be made to use innovative solutions and best practices when possible to improve the groundwater well installation and sampling program.
- Forthcoming field campaigns at Meadowbank Mine, including drilling of new boreholes susceptible to encounter groundwater, will be seen by AGNICO EAGLE as an opportunity to collect groundwater sample at new locations.

8 RECOMMANDATIONS

While AGNICO EAGLE agrees that use of a low-flow pump is the preferred method for groundwater sampling, it has repeatedly been determined not to be practical in the Meadowbank climate. Alternate methods have been explored in order to obtain samples. As described in AGNICO EAGLE's response to reviewer comments on the 2016 Annual Report, AGNICO EAGLE is of the opinion that purging the well dry prevents rapid re-freezing and also ensures the removal of any condensate from the steaming process which could affect sample results.

No more attempts should be made to recover a sample from well MW-08-03 as it has been dry for years. However, efforts to retrieve groundwater sample from well MW-08-02 should be pursued as historical record already exist for this well.

All groundwater sampling locations should be sampled at the same period of the year, in summer preferably to avoid all methodological problems linked to challenging permafrost environment and cold climate.

Field blank, transport blank and duplicate should be collected for each sampling event (once a year, 10% duplicate samples). This would facilitate data interpretation. Surface water should be sampled at the approximate date of groundwater sampling and information about flow rates of surface water should also be recorded.

AGNICO EAGLE should seek technical advice from subject matter expert on optimizing low-flow sampling techniques as well as further sampling improvements.

Forthcoming field campaigns at Meadowbank Mine, including drilling of new boreholes susceptible to encounter groundwater, will be seen by AGNICO EAGLE as an opportunity to collect groundwater sample at new locations.

Refer to the Groundwater Monitoring Plan in appendix of the Annual Report 2016 for further recommendations regarding the groundwater sampling program at Meadowbank.

9 REFERENCES

Agnico Eagle Mines Ltd (2015). Meadowbank Gold Project - Groundwater Monitoring Plan. January, 2015.

SNC (2016). Meadowbank Water Quality Forecasting Update for the 2015 Water Management Plan, SNC-Lavalin, 635062-0000-40ER-0001, Revision 00, March 2016.

USEPA (2002). USEPA Guidance on Choosing a Sampling Design for Environmental Data Collection. Office of Environmental Information, U.S. Environmental Protection Agency, Washington, DC, December 2002.

APPENDIX A

Map of 2016 Operable wells location

96°4'30" 96°4' 96°3'30" 96°3' 96°2'30" 96°2' 96°1'30"

65°2' 65°1'30" 65°1' 65°0'30" 65°0'

N

Rock Storage Facility

North Cell TSF

BH10-01

Stormwater Dike

GW-Pit A

North Portage Pit A

South Cell TSF

MW-11-02

Central Dike

MW-03-04

MW-06-07

MW-14-01

MW-16-01

MW-03-03

MW-08-03

Central Dump

East Dike

Second Portage Lake (132.9 m)

MW-08-02

Stormwater Management Pound

South Portage Pit E

Third Portage Lake (133.6 m)

South Camp Dike

Pit E3 B7

Pit E3 B6

Pit E3 B2

Pit E4

MW-11-01

Bay-Goose Pit

ST-GW-1s

Bay Goose Dike

MW-03-02

MW-06-05

MW-03-01

MW-06-06

ST-GW-4

Third Portage Lake (133.6 m)

MONITORING WELLS

- Groundwater Sampling Station 2016
- Prior Groundwater samplig Station
- Inclined Borehole

OTHERS

- Assumed Permafrost Limit
- Fault
- Original Lake Limit

AGNICO EAGLE

SNC·LAVALIN

Meadowbank

Groundwater Monitoring Report 2016: Groundwater Sampling Stations

Sources:

Project Data, Agnico Eagle, 2017

Project: 643541
File: snc643541_loca_sampling_tab_170321.mxd

Projection UTM, zone 14, NAD83
Contour interval: 10 m

0 0.1 0.2 km
1/10 000

March 2017 | **Map 1**

R:\M_ET_M\PROJETS\643541_AE_Meadow_In_Pit_Deposition_PFS\40_INGENIERIE\40DD_DESSINS\GEOMATIQUE\interne\diffusion\produit\snc643541_loca_sampling_tab_170321.mxd

APPENDIX B

MW-16-01 Well Development Log

Date	Time	Bottom (m-bgs)	Water level (m-bgs)	waterra level (m-bgs)	purge (L)	purge tot. (L)	pH	T (degC)	Cond (µS/cm)	Salt (mg/L)	TDS (mg/L)	Comments
2016-11-07	15:00	101		10	10							
	15:20			30	20							
	15:30			50	35							
	16:20			70	30		7,91	1,2	2140	983	1,52	
	16:45			80	15		8,18	0,8	2080	887	1,56	
	16:50			80	25		8,22	1,1	1840	835	1,31	
	16:55			80	10		8,18	1,4	2030	839	1,56	
	17:00			80	25		8,06	1,4	1540	690	1,09	
	17:15			80	30		8,16	1,7	1490	674	1,04	
	17:25			80	30		8,31	1,8	1499	683	1,03	
	17:40			80	30	260	8,28	1,9	1532	689	1,01	
2016-11-08	10:30	101		40	45		7,88	0,5	1539	688	1,11	
	11:30			50	70		8,05	1	1933	877	1,36	
	11:32			55	50		7,91	1,3	2100	953	1,48	
	11:34			55	50		8,02	1,9	1627	728	1,14	
	11:36			55	50		8,06	2	1618	727	1,1	
	11:38			55	50		8,14	1,8	1593	724	1,12	
	11:40			55	50		8,07	1,8	1600	727	1,13	
	17:00			55	50		8,06	1,9	1935	873	1,35	
	17:02			55	50		8,08	1,7	1583	717	1,11	
	17:04			55	50		8,07	1,7	1633	743	1,16	
	17:06			55	50		8,06	1,7	1657	762	1,18	
	17:08			55	50		8,07	1,6	1671	759	1,18	
	17:10			55	50	925	8,03	1,5				
2016-11-09	13:30	101		55	50		8,11	1,4	1907	961	1,46	
	13:45			50	100		8,1	0,7	1809	820	1,28	
	13:55			50	100		8,1	1,7	1686	769	1,18	
	14:09			55	25		8,07	1,4	1662	768	1,18	
	14:12			55	25		8,03	1,3	1637	745	1,15	
	17:28			35	25							

	17:30			55	10		8	0,2	2020	915	1,43	
	17:35			55	100		7,97	0,4	1648	749	1,17	
	17:40			50	100	1460	8,09	0,6	1697	759	1,19	
2016-11-10	09:00	101		55	30		8,05	1,1	2010	910	1,44	sample taken PM
	09:15			55	300		8,09	1,4	1710	756	1,19	
	17:46			40	100		8,15	0,7	1762	781	1,23	
	17:48			40	50	1940	8,09	0,5	2060	926	1,17	
2016-11-11	09:10	101	4,21	40	100		8,11	0,6	1676	756	1,19	
	09:20			40	75		7,91	1,2	1983	894	1,38	
	09:48			55	30		8,03	0,8	1650	750	1,17	
	09:52			55	100	2245	8,04	1	1672	762	1,18	
2016-11-12	09:37	101	4,40	55	25		7,82	1,1	1690	775	1,2	
	09:42			55	50		7,92	1,1	1928	880	1,37	
	09:45			55	100		7,99	1,1	1705	773	1,21	
	09:49			55	75		8,6	1,1	1601	723	1,14	
	17:00			50	100		8,14	0,8	1641	723	1,12	
	17:10			50	100		8,11	0,3	1925	870	1,36	
	17:20			50	50	2745	8,10	0,6	1624	725	1,15	
2016-11-13	10:15	101		50	50		8	0,1	1626	720	1,15	
	10:18			50	150		8,12	0,1	1919	848	1,35	
	10:21			50	100		8,12	0,3	1777	794	1,26	
	10:24			50	50	3095	8,04	0,3	1588	705	1,13	
2016-11-14	17:00	101	3,20	60	25		7,88	0,2	1793	733	1,25	Samples sent + DUP, FB, TB
	17:20			60	200	3320	7,9	0,2	1673	734	1,17	Turb: 33.4

Appendix C

Summary of Historical Results

Table 1: Groundwater sampling results - Central Dike area

		GUIDELINES		DISCHARGE CRITERIA	CENTRAL DIKE							
Station ID				Water License (Part F), Max. Avg Conc. Discharge to 3PL	*MW14-01*				*MW16-01*			
Sample ID					*V-39530*	*V-39531*	*V-44471*	*V-47255*	*GW-16*	*GW-16*	*GW-16*	*GW-16*
Sampling Date		CCME			*2014-10-20*	*2014-10-20*	*2015-05-31*	*2015-08-26*	*2016-11-10*	*2016-11-14*	*2016-11-14*	*2016-11-14*
QA/QC	Unit	Guidelines	Notes			*FD*					*FD*	*TB*
FIELD-MEASURED PARAMETERS												
General												
Temperature	°C								13,9	0,2		
pH	-				7,9		8,3	8,2	7,7	7,9		
Conductivity	µS/cm				5,03		1493	2140	1708	1673		
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5								
Oxygen Reduction Potential	mV											
Salinity	ppm						569	1070	849	734		
Total Dissolved Solids	mg/L								1317			
Turbidity	NTU						14,8	21,6	32	33,4		
LABORATORY PARAMETERS												
General												
Calculated TDS	mg/L											
pH	-											
Conductivity	µS/cm											
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**182**	**182**	**199**	**197**	**182**	**185**	**186**	**3**
Bicarbonate Alkalinity HCO3	mg/L								182	185	186	3
Carbonate Alkalinity CO3	mg/L								<2	<2	<2	<2
Hydroxide Alkalinity OH	mg/L											
Dissolved Organic Carbon	mg/L								13,5	20	18,7	0,2
Reactive silica	mg/L								7,9	7,9	8	<0,1
Sulphate (SO4)	mg/L				450	470	507	703	707	754	758	2
Hardness (CaCO3)	mg/L				2358	2361	774	657	732	744	797	<1
Total Organic Carbon	mg/L								25	20	18,7	<0,2
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15					**41**	**43**	**39**	<1
Total Dissolved Solids	mg/L				3212	3092	1277	1209	1317	1349	133	1
Turbidity	NTU											
Total Metals												
Total Aluminum	mg/L								0,351	0,257	0,288	<0,006
Total Antimony	mg/L								<0,0001	0,0001	0,0001	<0,0001
Total Arsenic	mg/L	0,005		0,3	**0,1521**	**0,1518**	**0,088**	0,1185	**0,1411**	**0,2059**	**0,2074**	<0,0005
Total Barium	mg/L								0,0621	0,0609	0,058	<0,0005
Total Beryllium	mg/L									<0,0005	<0,0005	<0,0005
Total Bismuth	mg/L											
Total Boron	mg/L								0,09	0,05	0,06	<0,01
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002					**0,00009**	**0,00006**	0,00004	<0,00002
Total Calcium	mg/L								172	180	190	<0,03
Total Chromium	mg/L	0,001	Based on Cr(VI)	--					**0,0092**	**0,0019**	**0,0014**	**0,0016**
Total Cobalt	mg/L											
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1	**0,0172**	**0,0179**	**0,0036**	0,0017	**0,0128**	**0,0065**	**0,0024**	<0,0005
Total Iron	mg/L	0,3		--					**6,28**	**5,81**	**6,74**	<0,01
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1	<0,0003	0,0029	0,0005	0,0074	<0,0003	<0,0003	<0,0003	<0,0003
Total Lithium	mg/L								0,011	0,015	0,015	<0,005
Total Magnesium	mg/L								73,5	71,7	78,5	<0,02
Total Manganese	mg/L								1,826	2,017	2,01	<0,0005
Total Mercury	mg/L	0,000026		0,0004					**0,00055**	**0,00008**	**0,00007**	<0,00001
Total Molybdenum	mg/L	0,073		--					0,0244	0,02	0,0188	<0,0005
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2	0,0415	0,0439	0,0185	0,0136	0,016	0,0147	0,0157	<0,0005
Total Potassium	mg/L								10	9,41	10	<0,05
Total Selenium	mg/L	0,001		--					**0,006**	**0,005**	**0,006**	<0,001
Total Silicon	mg/L											
Total Silver	mg/L	0,00025		--								
Total Sodium	mg/L								225	200	216	<0,05
Total Strontium	mg/L								0,876	0,905	0,825	<0,005
Total Tellurium	mg/L											
Total Thallium	mg/L	0,0008		--					<0,0008	<0,0008	<0,0008	<0,0008
Total Thorium	mg/L											
Total Tin	mg/L								<0,001	<0,001	<0,001	<0,001
Total Titanium	mg/L								0,21	0,26	0,26	<0,01
Total Uranium	mg/L	0,015		--					**0,03**	**0,02**	**0,021**	<0,001
Total Vanadium	mg/L								<0,0005	<0,0005	<0,0005	<0,0005
Total Zinc	mg/L	0,03		0,4	0,049	0,051	0,001	0,003	0,007	0,015	0,016	<0,001
Total Zirconium	mg/L											
Dissolved Metals												
Dissolved Aluminum	mg/L	--		1	<0,0006	<0,0006	<0,006	<0,006	<0,006	0,257	<0,006	<0,006
Dissolved Antimony	mg/L								<0,0001	0,0001	0,0001	<0,0001
Dissolved Arsenic	mg/L				0,0695	0,1075	0,0538	0,0868	0,0452	0,083	0,0774	<0,0005
Dissolved Barium	mg/L				0,6186	0,6034	0,0914	0,0875	0,0539	0,052	0,0474	<0,0005
Dissolved Beryllium	mg/L								<0,0005	<0,0005	<0,0005	<0,0005
Dissolved Bismuth	mg/L											
Dissolved Boron	mg/L								0,08	0,05	0,06	<0,01
Dissolved Cadmium	mg/L				0,00003	0,00009	0,00003	0,00003	0,00005	0,00006	0,00004	<0,00002
Dissolved Calcium	mg/L											
Dissolved Chloride	mg/L											
Dissolved Chromium	mg/L								0,0022	0,0009	<0,0006	<0,0006
Dissolved Cobalt	mg/L											
Dissolved Copper	mg/L				0,0161	0,0136	0,0037	0,0017	0,0032	0,0025	0,0024	<0,0005
Dissolved Fluoride	mg/L											
Dissolved Iron	mg/L				0,05	1,1	0,01	0,01	0,02	0,03	0,02	<0,01
Dissolved Lead	mg/L				0,0009	<0,0003	<0,0003	<0,0003	<0,0003	<0,0003	<0,0003	<0,0003
Dissolved Lithium	mg/L								0,011	0,013	0,015	<0,005
Dissolved Magnesium	mg/L											
Dissolved Manganese	mg/L						1,867	1,581	1,74	1,992	1,924	<0,0005
Dissolved Mercury	mg/L				<0,0001	0,0003	<0,00001	0,00001	0,0003	0,00006	0,00007	<0,00001
Dissolved Molybdenum	mg/L				0,0144	0,0152	0,0171	0,0156	0,0241	0,017	0,0159	<0,0005
Dissolved Nickel	mg/L				0,0386	0,037	0,0182	0,0151	0,0128	0,0136	0,013	<0,0005
Dissolved Phosphorus	mg/L											
Dissolved Potassium	mg/L											
Dissolved Selenium	mg/L				0,059	0,055	0,006	0,008	0,006	0,004	0,004	<0,001
Dissolved Silicon	mg/L											
Dissolved Silver	mg/L						<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001
Dissolved Sodium	mg/L											
Dissolved Strontium	mg/L								0,873	0,779	0,841	<0,005
Dissolved Sulphate	mg/L											
Dissolved Tellurium	mg/L											
Dissolved Thallium	mg/L				<0,005	<0,005	0,005	0,005	<0,0008	<0,0008	<0,0008	<0,0008
Dissolved Thorium	mg/L											
Dissolved Tin	mg/L								<0,001	<0,001	<0,001	<0,001
Dissolved Titanium	mg/L								0,2	0,28	0,26	<0,01
Dissolved Uranium	mg/L								0,03	0,02	0,018	<0,001
Dissolved Vanadium	mg/L								<0,0005	<0,0005	<0,0005	<0,0005
Dissolved Zinc	mg/L				0,033	0,054	0,002	0,004	<0,001	0,004	0,003	<0,001
Dissolved Zirconium	mg/L											
Anions												
Chloride	mg/L	120		1000	**1877**	**1677**	**272**	361	**229**	**230**	**231**	<0,5
Fluoride	mg/L	0,12		--	0,4	0,41	0,33	0,27	0,3		0,29	<0,02
Nutrients												
Total Nitrogen	mg/L											
Ammonium (N-NH4)	mg/L											
Ammonia	mg/L	0,019		--				0,02	0,01	**0,07**	**0,06**	<0,01
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16			**0,02**		1,07	**3,16**	**3,01**	<0,01
Nitrate and Nitrite	mg/L											
Nitrate	mg/L	2,94	13 mg/L as NO3	20			<0,01	<0,01	0,02	<0,01	<0,01	0,01
Nitrite	mg/L						0,01	0,01	0,02	0,02	0,02	<0,01
Orthophosphate	mg/L								0,07	0,05	0,05	<0,01
Total Kjeldahl Nitrogen	mg/L								19,4	25,2	25,1	0,82
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1					0,11	0,1	0,09	<0,01
Cyanide												
Total Cyanide	mg/L	0,005		0,5	0,191	0,101	0,117	0,093	0,027	0,09	0,033	<0,001
Free Cyanide	mg/L						0,04	0,007	0,108	0,015	0,013	<0,005
CN WAD	mg/L								0,027	0,023	0,022	<0,001

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 2a: Groundwater sampling results - Goose Pit area

		GUIDELINES		DISCHARGE CRITERIA	GOOSE PIT							
Station ID				Water License	*MW03-01*							
Sample ID				(Part F), Max.	*9755-2*	*9755-3*	*9044-01*	*12393-01*	*12393-02*	*12395-01*	*8581-01*	*8581-02*
Sampling Date		CCME		Avg Conc.	*2003-09-07*	*2003-09-07*	*2004-08-07*	*2006-08-08*	*2006-08-08*	*2006-08-14*	*2007-08-17*	*2007-08-17*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL		*FD*			*FD*			*FD*
FIELD-MEASURED PARAMETERS												
General												
Temperature	°C				11,7	11,7	8	7,7		9,9	6,7	
pH	-				7,36	7,36	8,03	7,93		7,58	7,43	
Conductivity	µS/cm				1855	1855	2500	382		538	776	
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5	**20,5**	**20,5**	**27**	**33,9**		**48,8**	**39**	
Oxygen Reduction Potential	mV						119					
Salinity	ppm											
Total Dissolved Solids	mg/L											
Turbidity	NTU											
LABORATORY PARAMETERS												
General												
Calculated TDS	mg/L				793	793	1335	125	126	292	249	250
pH	-				7,24	7,3	7,46			7,36	6,78	6,96
Conductivity	µS/cm						2900			634	588	583
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**30**	**30**	**27,3**			**51**	**36,7**	**36,7**
Bicarbonate Alkalinity HCO3	mg/L				36,6	36,6	33,3			62,2	44,8	44,8
Carbonate Alkalinity CO3	mg/L				<0,5	<0,5	<0,5			<0,5	<0,5	<0,5
Hydroxide Alkalinity OH	mg/L				<0,5	<0,5	<0,5			<0,5	<0,5	<0,5
Dissolved Organic Carbon	mg/L											
Reactive silica	mg/L											
Sulphate (SO4)	mg/L											
Hardness (CaCO3)	mg/L				290	327,5	385,5	78,95	79,45	149	111,5	110,5
Total Organic Carbon	mg/L											
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15			13			4	2	3
Total Dissolved Solids	mg/L				793		1335	193		405	389	
Turbidity	NTU											
Total Metals												
Total Aluminum	mg/L				4,16	1,2	0,25	0,4	0,48	0,13	0,053	0,059
Total Antimony	mg/L				<0,001	<0,001	0,0004	<0,0002	<0,0002	<0,001	<0,001	<0,001
Total Arsenic	mg/L	0,005		0,3	<0,001	**0,017**	0,004	0,0005	0,0006	0,002	<0,001	<0,001
Total Barium	mg/L				0,18	0,2	0,301	0,027	0,028	0,052	0,053	0,052
Total Beryllium	mg/L				<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Total Bismuth	mg/L				<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Total Boron	mg/L				0,59	1,07	2,43	0,11	0,11	0,27	0,23	0,23
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002	**0,00024**	**0,00037**	<0,00004	<0,00004	<0,00004	<0,0002	<0,0002	<0,0002
Total Calcium	mg/L				72	87,1	95,4	19,1	19,1	33,4	26,1	25,1
Total Chromium	mg/L	0,001	Based on Cr(VI)	--	**0,049**	**0,32**	**0,004**	**0,0017**	**0,0021**	<0,001	<0,001	<0,001
Total Cobalt	mg/L				0,004	0,016	0,0009	0,0005	0,0005	<0,001	<0,001	<0,001
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1	**0,044**	**0,071**	**0,0035**	**0,0022**	0,002	<0,001	0,001	0,001
Total Iron	mg/L	0,3		--	6,05	10,7	1,14	1,02	1,11	1,1	0,94	0,93
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1	**0,013**	**0,03**	**0,0025**	**0,0015**	**0,0013**	<0,001	0,001	0,001
Total Lithium	mg/L				0,025	0,031	0,04	0,0031	0,0032	0,006	<0,005	<0,005
Total Magnesium	mg/L				33,2	41,5	37,1	8,29	8,2	15,6	12,4	12,1
Total Manganese	mg/L				0,073	0,72	0,415	0,309	0,304	0,93	0,77	0,75
Total Mercury	mg/L	0,000026		0,0004			<0,00002	<0,00002	<0,00002	<0,00002	<0,00002	<0,00002
Total Molybdenum	mg/L	0,073		--	<0,0005	0,011	0,0083	0,013	0,013	0,012	0,0084	0,0084
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2	**0,056**	**0,13**	0,0045	0,002	0,0022	<0,001	0,001	0,001
Total Potassium	mg/L				7,31	9,1	9,13	3,63	3,68	6,1	4,7	4,5
Total Selenium	mg/L	0,001		--	<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Total Silicon	mg/L				0,4	4,12	5,07	2,31	2,71	2,7	1,4	1,3
Total Silver	mg/L	0,00025		--	**0,0064**	**0,011**	0,00028	<0,00005	<0,00005	<0,00025	<0,00025	<0,00025
Total Sodium	mg/L				22	25	357	16	15,9	50,5	39,1	37,5
Total Strontium	mg/L				0,68	0,79	1,56	0,119	0,12	0,28	0,24	0,24
Total Tellurium	mg/L				<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Total Thallium	mg/L	0,0008		--	<0,0001	<0,0001	<0,00002	<0,00002	<0,00002	<0,0001	<0,0001	<0,0001
Total Thorium	mg/L				<0,0005	0,0038	<0,0001	0,0005	0,0006	<0,0005	<0,0005	<0,0005
Total Tin	mg/L				<0,001	0,002	0,0009	<0,0002	<0,0002	<0,001	<0,001	<0,001
Total Titanium	mg/L				0,01	0,22	0,01	0,024	0,029	0,006	0,003	0,003
Total Uranium	mg/L	0,015		--	0,0012	0,0017	0,0003	0,0006	0,0006	<0,0005	<0,0005	<0,0005
Total Vanadium	mg/L				<0,001	0,029	0,0004	0,0007	0,0008	<0,001	<0,001	<0,001
Total Zinc	mg/L	0,03		0,4	**0,063**	**0,087**	0,007	0,005	0,005	<0,005	0,009	0,009
Total Zirconium	mg/L				<0,001	<0,001	<0,002	<0,002	<0,002	<0,01	<0,01	<0,01
Dissolved Metals												
Dissolved Aluminum	mg/L	--		1	0,051	0,011	0,005	0,3	0,3	<0,005	<0,005	0,011
Dissolved Antimony	mg/L				<0,001	<0,001	0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Dissolved Arsenic	mg/L				<0,001	0,003	0,0038	0,0005	0,0005	0,003	<0,001	<0,001
Dissolved Barium	mg/L				0,12	0,13	0,3	0,025	0,025	0,051	0,048	0,051
Dissolved Beryllium	mg/L				<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Dissolved Bismuth	mg/L				<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Dissolved Boron	mg/L				0,53	1,03	2,39	0,1	0,1	0,27	0,2	0,21
Dissolved Cadmium	mg/L				0,00007	0,00012	<0,00004	<0,00004	<0,00004	<0,0002	<0,0002	<0,0002
Dissolved Calcium	mg/L				65,6	67	94,2	17,6	17,9	33,7	24	24,5
Dissolved Chloride	mg/L				626	621	845	34,7	33,7	128	126	126
Dissolved Chromium	mg/L				<0,001	<0,001	0,0002	0,0012	0,0012	<0,001	<0,001	<0,001
Dissolved Cobalt	mg/L				0,001	0,001	0,0008	0,0004	0,0004	<0,001	<0,001	<0,001
Dissolved Copper	mg/L				0,002	0,002	0,0004	0,0016	0,0016	<0,001	<0,001	0,001
Dissolved Fluoride	mg/L				<0,05	<0,05	0,12	0,16	0,17	0,16	0,18	0,18
Dissolved Iron	mg/L				<0,05	0,07	0,08	0,84	0,85	0,2	<0,05	<0,05
Dissolved Lead	mg/L				<0,001	<0,001	<0,0002	0,0014	0,0012	<0,001	<0,001	<0,001
Dissolved Lithium	mg/L				0,017	0,017	0,033	0,0028	0,0027	0,005	<0,005	<0,005
Dissolved Magnesium	mg/L				23,4	24,3	35,1	7,76	7,92	16,1	11,4	11,6
Dissolved Manganese	mg/L				0,06	0,28	0,381	0,286	0,293	0,98	0,7	0,72
Dissolved Mercury	mg/L						<0,00002	<0,00002	<0,00002	<0,00002	<0,00002	<0,00002
Dissolved Molybdenum	mg/L				<0,0005	0,0057	0,0076	0,012	0,012	0,013	0,0079	0,0079
Dissolved Nickel	mg/L				0,006	0,005	0,0026	0,0019	0,0019	<0,001	0,001	0,001
Dissolved Phosphorus	mg/L				0,1	0,15	0,04	<0,03	<0,03	<0,15	<0,15	<0,15
Dissolved Potassium	mg/L				5,71	5,95	8,56	3,27	3,28	6,1	4,3	4,4
Dissolved Selenium	mg/L				<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Dissolved Silicon	mg/L				0,32	3,27	3,89	1,96	1,98	2,5	1,2	1,2
Dissolved Silver	mg/L				<0,0001	<0,0001	<0,00005	<0,00005	<0,00005	<0,00025	<0,00025	<0,00025
Dissolved Sodium	mg/L				20	22	327	15	15,6	52,5	34,2	35
Dissolved Strontium	mg/L				0,58	0,59	1,46	0,111	0,114	0,29	0,22	0,22
Dissolved Sulphate	mg/L				15,6	15,8	15,9	42,8	43,1	51,1	46,5	46,3
Dissolved Tellurium	mg/L				<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Dissolved Thallium	mg/L				<0,0001	<0,0001	<0,00002	<0,00002	<0,00002	<0,0001	<0,0001	<0,0001
Dissolved Thorium	mg/L				<0,0005	<0,0005	<0,0001	0,0004	0,0004	<0,0005	<0,0005	<0,0005
Dissolved Tin	mg/L				<0,001	<0,001	<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,001
Dissolved Titanium	mg/L				<0,001	<0,001	0,0003	0,019	0,018	<0,001	<0,001	<0,001
Dissolved Uranium	mg/L				0,0006	0,0006	0,0003	0,0006	0,0006	<0,0005	<0,0005	<0,0005
Dissolved Vanadium	mg/L				<0,001	<0,001	<0,0002	0,0006	0,0006	<0,001	<0,001	<0,001
Dissolved Zinc	mg/L				0,006	<0,005	0,002	0,005	0,005	<0,005	<0,005	0,005
Dissolved Zirconium	mg/L				<0,001	<0,001	<0,002	<0,002	<0,002	<0,01	<0,01	<0,01
Anions												
Chloride	mg/L	120		1000								
Fluoride	mg/L	0,12		--								
Nutrients												
Total Nitrogen	mg/L										<0,2	0,3
Ammonium (N-NH4)	mg/L											
Ammonia	mg/L	0,019		--								
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16	0,38	0,37		0,21	0,19		0,14	0,15
Nitrate and Nitrite	mg/L				<0,01	<0,01	<0,01	<0,01	<0,01			
Nitrate	mg/L	2,94	13 mg/L as NO3	20			<0,05	<0,05	<0,05	<0,1	<0,01	0,09
Nitrite	mg/L							0,003	0,004	0,002	0,002	<0,002
Orthophosphate	mg/L											
Total Kjeldahl Nitrogen	mg/L				0,7	0,6	0,3	0,3	0,3		<0,2	0,2
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1	**0,069**	**0,075**	**0,105**	<0,035	<0,035	<0,15	<0,082	<0,085
Cyanide												
Total Cyanide	mg/L	0,005		0,5			<0,01					
Free Cyanide	mg/L						<0,1					
CN WAD	mg/L											

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 2b: Groundwater sampling results - Goose Pit area

		GUIDELINES		DISCHARGE CRITERIA	GOOSE PIT							
Station ID				Water License	*MW03-01 (cont'd)*							*MW03-02*
Sample ID				(Part F), Max.	*F66745*	*F68109*	*154321*	*154321*	*154359*	*L51870*	*L51870 L51884*	*9756-03*
Sampling Date		CCME		Avg Conc.	*2008-09-15*	*2008-09-15*	*2009-09-07*	*2009-09-07*	*2009-09-07*	*2010-08-26*	*2010-08-26*	*2003-09-28*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL		*FD*		*LD*	*FD*	*LD*		
FIELD-MEASURED PARAMETERS												
General												
Temperature	°C				1		5,4				3,1	3,5
pH	-				6,7		6,97				7,13	7,68
Conductivity	µS/cm				2100		2436				340	660
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5								**98**
Oxygen Reduction Potential	mV											8,2
Salinity	ppm											
Total Dissolved Solids	mg/L											
Turbidity	NTU											
LABORATORY PARAMETERS												
General												
Calculated TDS	mg/L											387
pH	-				7,9	7,8	6,71		7,2		6,9	7,04
Conductivity	µS/cm				3200	3100	3300	3400	3400		350	
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**24**	**33**	**15**	**17**	**18**		**49**	**103**
Bicarbonate Alkalinity HCO3	mg/L										345	125
Carbonate Alkalinity CO3	mg/L											<0,5
Hydroxide Alkalinity OH	mg/L											<0,5
Dissolved Organic Carbon	mg/L											
Reactive silica	mg/L											
Sulphate (SO4)	mg/L											
Hardness (CaCO3)	mg/L				310	320	450		440		77	303
Total Organic Carbon	mg/L											
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15	5	7						
Total Dissolved Solids	mg/L				1100		1900		1900			
Turbidity	NTU				3,3	4,1	2,1		8,2		210	
Total Metals												
Total Aluminum	mg/L										<0,03	1,07
Total Antimony	mg/L											<0,001
Total Arsenic	mg/L	0,005		0,3							<0,002	0,002
Total Barium	mg/L										<0,03	0,028
Total Beryllium	mg/L											<0,001
Total Bismuth	mg/L											<0,001
Total Boron	mg/L											0,06
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002							<0,001	<0,0002
Total Calcium	mg/L				73						21	68,3
Total Chromium	mg/L	0,001	Based on Cr(VI)	--								**0,003**
Total Cobalt	mg/L											0,004
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1							<0,003	**0,004**
Total Iron	mg/L	0,3		--							0,6	2,96
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1								**0,002**
Total Lithium	mg/L											0,021
Total Magnesium	mg/L										6,1	35,2
Total Manganese	mg/L										0,55	1,04
Total Mercury	mg/L	0,000026		0,0004							<0,0001	<0,00002
Total Molybdenum	mg/L	0,073		--							<0,03	0,022
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2							<0,01	0,008
Total Potassium	mg/L										2,1	5,94
Total Selenium	mg/L	0,001		--							<0,001	<0,001
Total Silicon	mg/L											10,7
Total Silver	mg/L	0,00025		--							**0,0014**	<0,0001
Total Sodium	mg/L										2,5	6,81
Total Strontium	mg/L											0,26
Total Tellurium	mg/L											<0,001
Total Thallium	mg/L	0,0008		--							<0,01	<0,0001
Total Thorium	mg/L											0,0007
Total Tin	mg/L											<0,001
Total Titanium	mg/L											0,063
Total Uranium	mg/L	0,015		--								0,0084
Total Vanadium	mg/L											0,002
Total Zinc	mg/L	0,03		0,4							0,009	0,014
Total Zirconium	mg/L											<0,001
Dissolved Metals												
Dissolved Aluminum	mg/L	--		1	0,0013	0,0068	<0,0001		<0,0001		0,03	0,47
Dissolved Antimony	mg/L											<0,001
Dissolved Arsenic	mg/L				0,0001	0,0001	<0,002		<0,002		<0,002	0,002
Dissolved Barium	mg/L				0,25	0,25	0,42		0,39		<0,03	0,023
Dissolved Beryllium	mg/L											<0,001
Dissolved Bismuth	mg/L											<0,001
Dissolved Boron	mg/L											0,06
Dissolved Cadmium	mg/L				0,0002	0,0002	<0,001		<0,001		<0,001	<0,0002
Dissolved Calcium	mg/L				73	75	100		99		18	63,1
Dissolved Chloride	mg/L				950	980	990		950		5,7	5,4
Dissolved Chromium	mg/L											0,001
Dissolved Cobalt	mg/L											0,004
Dissolved Copper	mg/L				0,0015	0,0023	<0,003		<0,003		<0,003	0,004
Dissolved Fluoride	mg/L				<0,1	<0,1	0,1		<0,1		0,2	0,35
Dissolved Iron	mg/L				0,03	0,03	<0,1		<0,1		<0,1	1,91
Dissolved Lead	mg/L				0,00021	0,0002	<0,001		0,001		<0,001	0,001
Dissolved Lithium	mg/L											0,019
Dissolved Magnesium	mg/L				31	32	46		47		4,1	32,1
Dissolved Manganese	mg/L				0,43	0,44	0,22		0,22		0,36	0,96
Dissolved Mercury	mg/L				<0,00001	<0,00001	<0,0001		<0,0001		<0,0001	<0,00002
Dissolved Molybdenum	mg/L				0,0082	0,0078	<0,03		<0,003		<0,03	0,018
Dissolved Nickel	mg/L				0,0015	0,0015	<0,01		<0,01		<0,01	0,007
Dissolved Phosphorus	mg/L											0,16
Dissolved Potassium	mg/L				8,4	8,5	11		11		1,5	5,36
Dissolved Selenium	mg/L				0,001	0,001	<0,001		<0,001		<0,001	<0,001
Dissolved Silicon	mg/L											7,98
Dissolved Silver	mg/L				0,0001	0,0001	<0,0003		<0,0003		<0,0003	<0,0001
Dissolved Sodium	mg/L						420		430		1,8	6,29
Dissolved Strontium	mg/L											0,24
Dissolved Sulphate	mg/L				6	5,7	3,9		3,6		87	263
Dissolved Tellurium	mg/L											<0,001
Dissolved Thallium	mg/L				0,002	0,002	<0,01		<0,01		<0,01	<0,0001
Dissolved Thorium	mg/L											<0,0005
Dissolved Tin	mg/L											<0,001
Dissolved Titanium	mg/L											0,024
Dissolved Uranium	mg/L											0,0077
Dissolved Vanadium	mg/L											<0,001
Dissolved Zinc	mg/L				0,017	0,014	<0,003		<0,003		0,011	0,012
Dissolved Zirconium	mg/L											<0,001
Anions												
Chloride	mg/L	120		1000								
Fluoride	mg/L	0,12		--								
Nutrients												
Total Nitrogen	mg/L				0,53	0,49						
Ammonium (N-NH4)	mg/L											
Ammonia	mg/L	0,019		--								
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16			0,54		0,51	0,08	0,08	0,19
Nitrate and Nitrite	mg/L				<0,2	<0,4	<0,42		<0,42		0,09	<0,05
Nitrate	mg/L	2,94	13 mg/L as NO3	20	<0,02	<0,02	<0,02		<0,02			<0,05
Nitrite	mg/L				<0,2	<0,4						0,005
Orthophosphate	mg/L											
Total Kjeldahl Nitrogen	mg/L											
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1								**0,145**
Cyanide												
Total Cyanide	mg/L	0,005		0,5								
Free Cyanide	mg/L											
CN WAD	mg/L											

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 2c: Groundwater sampling results - Goose Pit area

		GUIDELINES		DISCHARGE CRITERIA	GOOSE PIT								
Station ID				Water License	*MW03-02*			*MW06-06*		*MW11-01*		*ST-GW-1s*	*ST-GW-04*
Sample ID				(Part F), Max.	*9043-01*	*9043-01*	*9043-02*	*12567-01*	*12567-02*	*15979*	*15980*	*V-30844*	*V-37486*
Sampling Date		CCME		Avg Conc.	*2004-07-31*	*2004-07-31*	*2004-07-31*	*2006-08-24*	*2006-08-24*	*2011-09-29*	*2011-09-29*	*2013-10-23*	*2014-08-17*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL		*Decant*	*FD*		*FD*		*FD*		
FIELD-MEASURED PARAMETERS													
General													
Temperature	°C				12			12,4					
pH	-				7,19			7,59		10,3			7,84
Conductivity	µS/cm				1104			1306		3999			719
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5	**51**			**46,3**					
Oxygen Reduction Potential	mV				32								
Salinity	ppm												
Total Dissolved Solids	mg/L												
Turbidity	NTU												
LABORATORY PARAMETERS													
General													
Calculated TDS	mg/L				499,03296			588	678				
pH	-				7,25		7,34	7,33	7,29	8,11	8,93		
Conductivity	µS/cm				1270		1280	1210	1200				
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**41,6**		**42,9**	**49,9**	**49,9**	**23**	**37**	**103**	**87**
Bicarbonate Alkalinity HCO3	mg/L				50,8		52,4	60,9	60,9				
Carbonate Alkalinity CO3	mg/L				<0,5		<0,5	<0,5	<0,5				
Hydroxide Alkalinity OH	mg/L				<0,5		<0,5	<0,5	<0,5				
Dissolved Organic Carbon	mg/L												
Reactive silica	mg/L												
Sulphate (SO4)	mg/L											14,6	159
Hardness (CaCO3)	mg/L				310,5	292		335,5	331,5	13264	14759	121	213
Total Organic Carbon	mg/L												
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15	**96**		**90**	**16**	**28**				
Total Dissolved Solids	mg/L							650		14840	14620	203	418
Turbidity	NTU									18,1	25,7		
Total Metals													
Total Aluminum	mg/L				2,31	0,37		0,16	0,13	0,248	0,256		
Total Antimony	mg/L				0,0003	0,0002		<0,001	<0,001				
Total Arsenic	mg/L	0,005		0,3	0,0038	0,002		0,003	0,003	**0,128**	**0,142**		
Total Barium	mg/L				0,096	0,076		0,024	0,024	0,1484	0,1991		
Total Beryllium	mg/L				<0,0002	<0,0002		<0,001	<0,001				
Total Bismuth	mg/L				<0,0002	<0,0002		<0,001	<0,001				
Total Boron	mg/L				0,97	0,87		0,36	0,31				
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002	**0,00018**	**0,0001**		<0,0002	<0,0002	<0,00002	0,00009		
Total Calcium	mg/L				74,7	72,5		89,3	86,1	5263	5857		
Total Chromium	mg/L	0,001	Based on Cr(VI)	--	**0,008**	**0,0012**		<0,001	<0,001				
Total Cobalt	mg/L				0,0072	0,0045		0,002	0,002				
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1	**0,007**	0,002		0,001	**0,005**	**0,0237**	**0,0357**		
Total Iron	mg/L	0,3		--	4,72	0,68		0,57	0,57	1,3	1,9		
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1	**0,0035**	0,0005		<0,001	<0,001	<0,0003	**0,0031**		
Total Lithium	mg/L				0,021	0,017		0,029	0,028				
Total Magnesium	mg/L				30,7	27		25	24,5	29,9	32,6		
Total Manganese	mg/L				0,517	0,417		0,41	0,43	0,0433	0,05		
Total Mercury	mg/L	0,000026		0,0004	<0,00002	<0,00002		<0,00002	<0,00002	**0,00073**	**0,00077**		
Total Molybdenum	mg/L	0,073		--	0,015	0,013		0,0087	0,009	<0,0005	<0,0005		
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2	0,017	0,011		0,007	0,01	**0,2109**	**0,2269**		
Total Potassium	mg/L				7,8	6,9		6,7	6,5	201	225		
Total Selenium	mg/L	0,001		--	<0,0002	<0,0002		<0,001	<0,001	**0,564**	**0,594**		
Total Silicon	mg/L				13,8	7,57		4,7	4,6				
Total Silver	mg/L	0,00025		--	**0,00067**	0,00016		<0,00025	<0,00025	**0,0123**	**0,0146**		
Total Sodium	mg/L				91,9	84,9		59	55,9	344	550		
Total Strontium	mg/L				0,759	0,691		0,75	0,72				
Total Tellurium	mg/L				<0,0002	<0,0002		<0,001	<0,001				
Total Thallium	mg/L	0,0008		--	0,00006	<0,00002		<0,0001	<0,0001	<0,005	<0,005		
Total Thorium	mg/L				<0,0001	<0,0001		<0,0005	<0,0005				
Total Tin	mg/L				0,0003	<0,0002		<0,001	<0,001				
Total Titanium	mg/L				0,158	0,02		0,005	0,005				
Total Uranium	mg/L	0,015		--	0,002	0,0013		0,0018	0,0018				
Total Vanadium	mg/L				0,0039	0,0006		0,002	0,002				
Total Zinc	mg/L	0,03		0,4	**0,042**	0,015		<0,005	<0,005	**0,038**	**0,091**		
Total Zirconium	mg/L				<0,002	<0,002		<0,01	<0,01				
Dissolved Metals													
Dissolved Aluminum	mg/L	--		1	0,019			<0,005	<0,005	0,15	0,01	0,053	0,014
Dissolved Antimony	mg/L				0,0003			<0,001	<0,001				
Dissolved Arsenic	mg/L				0,002			0,002	0,002	0,137	0,13	0,0053	0,003
Dissolved Barium	mg/L				0,086			0,018	0,019	0,13	0,136	0,0419	0,0323
Dissolved Beryllium	mg/L				<0,0002			<0,001	<0,001				
Dissolved Bismuth	mg/L				<0,0002			<0,001	<0,001				
Dissolved Boron	mg/L				0,94			0,37	0,44				
Dissolved Cadmium	mg/L				0,00016			<0,0002	<0,0002	<0,005	<0,005	0,00003	<0,00002
Dissolved Calcium	mg/L				73,5			87,1	85,3	5136	5099		
Dissolved Chloride	mg/L				251		259	304	331	10271	9859		
Dissolved Chromium	mg/L				0,0004			<0,001	<0,001				
Dissolved Cobalt	mg/L				0,006			<0,001	<0,001				
Dissolved Copper	mg/L				0,0014			0,001	<0,001	0,021	0,015	<0,0005	0,0011
Dissolved Fluoride	mg/L				0,6		0,57	0,55	0,63	0,55	0,62		
Dissolved Iron	mg/L				0,05			<0,05	<0,05	1,3	0,97	<0,01	<0,01
Dissolved Lead	mg/L				<0,0002			<0,001	<0,001	<0,005	<0,005	0,0051	<0,0003
Dissolved Lithium	mg/L				0,016			0,028	0,025				
Dissolved Magnesium	mg/L				30,2			24	23,6	22,5	25,8		
Dissolved Manganese	mg/L				0,492			0,006	0,003	0,029	0,029		0,0602
Dissolved Mercury	mg/L				<0,02			<0,00002	<0,00002	0,0006	0,0006	<0,0001	<0,0001
Dissolved Molybdenum	mg/L				0,014			0,0081	0,0069	<0,005	<0,005	0,0165	0,0191
Dissolved Nickel	mg/L				0,012			0,005	0,004	0,179	0,171	0,0317	0,0172
Dissolved Phosphorus	mg/L				<0,03			0,9	0,8				
Dissolved Potassium	mg/L				7,43			6,6	5,8	183	192		
Dissolved Selenium	mg/L				<0,0002			<0,001	<0,001	0,637	0,606	0,0001	0,002
Dissolved Silicon	mg/L				5,88			4,1	3,8				
Dissolved Silver	mg/L				<0,00005			<0,00025	<0,00025	<0,005	<0,005		<0,0001
Dissolved Sodium	mg/L				89,5			58,2	55,9	283	338		
Dissolved Strontium	mg/L				0,736			0,72	0,76				
Dissolved Sulphate	mg/L				38,4		38,2	65,1	56	29	30		
Dissolved Tellurium	mg/L				<0,0002			<0,001	<0,001				
Dissolved Thallium	mg/L				<0,00002			<0,0001	<0,0001	<0,01	<0,01	<0,005	<0,005
Dissolved Thorium	mg/L				<0,0001			<0,0005	<0,0005				
Dissolved Tin	mg/L				<0,0002			<0,001	<0,001				
Dissolved Titanium	mg/L				0,0008			<0,001	<0,001				
Dissolved Uranium	mg/L				0,0013			0,0016	0,0014				
Dissolved Vanadium	mg/L				<0,0002			0,001	0,001				
Dissolved Zinc	mg/L				0,029			<0,005	<0,005	0,02	0,013	0,002	0,001
Dissolved Zirconium	mg/L				<0,002			<0,01	<0,01				
Anions													
Chloride	mg/L	120		1000								16,9	40,4
Fluoride	mg/L	0,12		--								**1,1**	0,087
Nutrients													
Total Nitrogen	mg/L												
Ammonium (N-NH4)	mg/L									0,07	0,27		
Ammonia	mg/L	0,019		--									
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16	0,07		0,05						
Nitrate and Nitrite	mg/L				<0,05		<0,05						
Nitrate	mg/L	2,94	13 mg/L as NO3	20	<0,05		<0,05	<0,25	<0,25	0,28	0,29	0,54	
Nitrite	mg/L				0,006		0,007	0,005	0,004	<0,01	<0,01	<0,01	
Orthophosphate	mg/L												
Total Kjeldahl Nitrogen	mg/L				0,4			0,6	0,6				
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1	**0,285**	**0,09**	**0,25**	**1,2**	**1,2**				
Cyanide													
Total Cyanide	mg/L	0,005		0,5	<0,01					<0,005		<0,005	<0,005
Free Cyanide	mg/L				<0,1					<0,005			
CN WAD	mg/L												

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 3: Groundwater sampling results - North Portage Pit A area

		GUIDELINES		DISCHARGE CRITERIA	NORTH PORTAGE PIT A			
Station ID				Water License	*MW03-03*			*GW-Pit A*
Sample ID				(Part F), Max.	*9756-02*	*9045-01*	*9045-02*	*GW-Pit A*
Sampling Date		CCME		Avg Conc.	*2003-09-25*	*2004-08-09*	*2004-08-09*	*2016-10-21*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL			*FD*	
FIELD-MEASURED PARAMETERS								
General								
Temperature	°C				2,2	10,3		3
pH	-				8,63	7,77		7,92
Conductivity	µS/cm				350	627		1590
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5	**87**	**102**		
Oxygen Reduction Potential	mV				79,9	3		
Salinity	ppm							667
Total Dissolved Solids	mg/L							53,6
Turbidity	NTU							4,62
LABORATORY PARAMETERS								
General								
Calculated TDS	mg/L				254	239		
pH	-				7,83	7,96		
Conductivity	µS/cm					640		
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**93,8**	**133**		**126**
Bicarbonate Alkalinity HCO3	mg/L				114	162		126
Carbonate Alkalinity CO3	mg/L				<0,5	<0,5		<2
Hydroxide Alkalinity OH	mg/L				<0,5	<0,5		
Dissolved Organic Carbon	mg/L							1,4
Reactive silica	mg/L							5
Sulphate (SO4)	mg/L							442
Hardness (CaCO3)	mg/L				140	213		572
Total Organic Carbon	mg/L							4,2
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15		1		8
Total Dissolved Solids	mg/L							916
Turbidity	NTU							
Total Metals								
Total Aluminum	mg/L				0,018	0,12		0,089
Total Antimony	mg/L				0,002	0,0002		0,0031
Total Arsenic	mg/L	0,005		0,3	0,004	**0,015**		<0,0005
Total Barium	mg/L				0,02	0,05		0,0276
Total Beryllium	mg/L				<0,001	<0,0002		<0,0005
Total Bismuth	mg/L				<0,001	<0,0002		
Total Boron	mg/L				0,09	0,19		0,06
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002	<0,0002	**0,00006**		**0,00078**
Total Calcium	mg/L				28	47,7		113
Total Chromium	mg/L	0,001	Based on Cr(VI)	--	<0,001	0,001		**0,0014**
Total Cobalt	mg/L				<0,001	0,0004		
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1	<0,001	0,0014		0,0011
Total Iron	mg/L	0,3		--	<0,05	**0,46**		0,28
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1	0,001	0,0006		<0,0003
Total Lithium	mg/L				0,007	0,0092		<0,005
Total Magnesium	mg/L				18	23,5		70,4
Total Manganese	mg/L				0,11	0,131		0,2181
Total Mercury	mg/L	0,000026		0,0004	<0,00002	<0,00002		0,00002
Total Molybdenum	mg/L	0,073		--	0,056	**0,093**		**0,5483**
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2	0,003	0,0024		0,0127
Total Potassium	mg/L				3,51	2,65		23,3
Total Selenium	mg/L	0,001		--	<0,001	<0,0002		**0,004**
Total Silicon	mg/L				3,78	5,96		
Total Silver	mg/L	0,00025		--	<0,0001	0,0001		
Total Sodium	mg/L				17,6	33,6		48,1
Total Strontium	mg/L				0,26	0,581		0,755
Total Tellurium	mg/L				<0,001	<0,0002		
Total Thallium	mg/L	0,0008		--	<0,0001	<0,00002		<0,0008
Total Thorium	mg/L				<0,0005	<0,0001		
Total Tin	mg/L				<0,001	<0,0002		<0,001
Total Titanium	mg/L				<0,001	0,0045		0,1
Total Uranium	mg/L	0,015		--	0,012	0,0088		**0,109**
Total Vanadium	mg/L				<0,001	0,0002		<0,0005
Total Zinc	mg/L	0,03		0,4	<0,005	0,006		<0,001
Total Zirconium	mg/L				<0,001	<0,002		
Dissolved Metals								
Dissolved Aluminum	mg/L	--		1	0,018	0,006		0,006
Dissolved Antimony	mg/L				0,002	<0,0002		0,002
Dissolved Arsenic	mg/L				0,004	0,013		<0,0005
Dissolved Barium	mg/L				0,018	0,048		0,0165
Dissolved Beryllium	mg/L				<0,001	<0,0002		<0,0005
Dissolved Bismuth	mg/L				<0,001	<0,0002		
Dissolved Boron	mg/L				0,08	0,17		0,06
Dissolved Cadmium	mg/L				<0,0002	0,00004		0,00066
Dissolved Calcium	mg/L				26,3	47,1		
Dissolved Chloride	mg/L				50,4	121		
Dissolved Chromium	mg/L				<0,001	0,0003		0,0012
Dissolved Cobalt	mg/L				<0,001	0,0003		
Dissolved Copper	mg/L				<0,001	0,0002		0,0013
Dissolved Fluoride	mg/L				0,46	0,38		
Dissolved Iron	mg/L				<0,05	<0,01		0,08
Dissolved Lead	mg/L				<0,001	<0,0002		<0,0003
Dissolved Lithium	mg/L				0,007	0,0081		<0,005
Dissolved Magnesium	mg/L				17,1	22,4		
Dissolved Manganese	mg/L				0,1	0,13		0,2173
Dissolved Mercury	mg/L				<0,00002	<0,02		0,00003
Dissolved Molybdenum	mg/L				0,052	0,09		0,4711
Dissolved Nickel	mg/L				0,003	0,0018		0,0126
Dissolved Phosphorus	mg/L				0,07	<0,03		
Dissolved Potassium	mg/L				3,33	2,64		
Dissolved Selenium	mg/L				<0,001	<0,0002		0,004
Dissolved Silicon	mg/L				3,62	5,7		
Dissolved Silver	mg/L				<0,0001	<0,00005		<0,0001
Dissolved Sodium	mg/L				16,5	32		
Dissolved Strontium	mg/L				0,24	0,556		0,744
Dissolved Sulphate	mg/L				26,6	6,2		
Dissolved Tellurium	mg/L				<0,001	<0,0002		
Dissolved Thallium	mg/L				<0,0001	<0,00002		<0,0008
Dissolved Thorium	mg/L				<0,0005	<0,0001		
Dissolved Tin	mg/L				<0,001	<0,0002		<0,001
Dissolved Titanium	mg/L				<0,001	0,0003		0,11
Dissolved Uranium	mg/L				0,012	0,0087		0,11
Dissolved Vanadium	mg/L				<0,001	<0,0002		<0,0005
Dissolved Zinc	mg/L				<0,005	0,004		0,001
Dissolved Zirconium	mg/L				<0,001	<0,002		
Anions								
Chloride	mg/L	120		1000				35
Fluoride	mg/L	0,12		--				**0,25**
Nutrients								
Total Nitrogen	mg/L							
Ammonium (N-NH4)	mg/L							
Ammonia	mg/L	0,019		--				**0,08**
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16	0,08			**2,83**
Nitrate and Nitrite	mg/L				0,15	<0,05	<0,01	
Nitrate	mg/L	2,94	13 mg/L as NO3	20	0,15	<0,05		**29,9**
Nitrite	mg/L				0,003	<0,002		0,28
Orthophosphate	mg/L							<0,01
Total Kjeldahl Nitrogen	mg/L					0,2	0,2	1,67
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1	**0,07**	**0,065**	**0,1**	**0,03**
Cyanide								
Total Cyanide	mg/L	0,005		0,5		<0,01	<0,01	**0,153**
Free Cyanide	mg/L					<0,1	<0,1	0,055
CN WAD	mg/L							0,042

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 4a: Groundwater sampling results - Second Portage Lake area

		GUIDELINES		DISCHARGE CRITERIA	SECOND PORTAGE LAKE							
Station ID				Water License	*MW08-02*							
Sample ID				(Part F), Max.	*F59984*	*F59995*	*147144*	*147172*	*147172*	*L56096*	*L56473*	*15816*
Sampling Date		CCME		Avg Conc.	*2008-09-08*	*2008-09-08*	*2009-08-29*	*2009-08-29*	*2009-08-29*	*2010-09-01*	*2010-09-01*	*2011-09-21*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL		*FD*		*FD*	*LD*		*LD*	
FIELD-MEASURED PARAMETERS												
General												
Temperature	°C				7,3		4,6			9,2		8,6
pH	-				7,05		7,79			7,87		8,05
Conductivity	µS/cm				808		616			690		905
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5								
Oxygen Reduction Potential	mV											
Salinity	ppm											
Total Dissolved Solids	mg/L											
Turbidity	NTU											
LABORATORY PARAMETERS												
General												
Calculated TDS	mg/L											
pH	-				8	8,1	7,95	7,96		7,74	7,75	7,22
Conductivity	µS/cm							710				
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**76**	**76**		**76**		**80**	**80**	**76**
Bicarbonate Alkalinity HCO3	mg/L				76	76						
Carbonate Alkalinity CO3	mg/L				<2	<2						
Hydroxide Alkalinity OH	mg/L											
Dissolved Organic Carbon	mg/L											
Reactive silica	mg/L											
Sulphate (SO4)	mg/L											4
Hardness (CaCO3)	mg/L				240	230	240	850		220	220	317
Total Organic Carbon	mg/L											
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15								
Total Dissolved Solids	mg/L				500	520	530	510		450	490	
Turbidity	NTU				2,4	2,4	2,2	2,2		4	3,9	3,2
Total Metals												
Total Aluminum	mg/L									<0,03	<0,03	0,03
Total Antimony	mg/L									<0,006	<0,006	
Total Arsenic	mg/L	0,005		0,3						0,003	0,003	0,0023
Total Barium	mg/L									0,03	0,04	0,043
Total Beryllium	mg/L											
Total Bismuth	mg/L											
Total Boron	mg/L											
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002						<0,001	<0,001	<0,00002
Total Calcium	mg/L									45	45	63,1
Total Chromium	mg/L	0,001	Based on Cr(VI)	--						**0,03**	<0,03	
Total Cobalt	mg/L									<0,03	<0,03	
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1						<0,003	<0,003	0,0014
Total Iron	mg/L	0,3		--								**1,4**
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1						<0,001	<0,001	<0,0003
Total Lithium	mg/L											
Total Magnesium	mg/L									26	26	38,9
Total Manganese	mg/L									0,042	0,044	0,1338
Total Mercury	mg/L	0,000026		0,0004						<0,0001	<0,0001	**0,00009**
Total Molybdenum	mg/L	0,073		--						0,05	0,05	0,0016
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2						0,01	<0,01	0,0046
Total Potassium	mg/L											2,1
Total Selenium	mg/L	0,001		--						<0,001	<0,001	**0,005**
Total Silicon	mg/L											
Total Silver	mg/L	0,00025		--						<0,0003	<0,0003	<0,0002
Total Sodium	mg/L									32	32	43,3
Total Strontium	mg/L											
Total Tellurium	mg/L											
Total Thallium	mg/L	0,0008		--								0,005
Total Thorium	mg/L											
Total Tin	mg/L											
Total Titanium	mg/L											
Total Uranium	mg/L	0,015		--								
Total Vanadium	mg/L											
Total Zinc	mg/L	0,03		0,4						0,01	0,007	0,01
Total Zirconium	mg/L											
Dissolved Metals												
Dissolved Aluminum	mg/L	--		1	0,0046	0,00487	<0,03	<0,03				<0,01
Dissolved Antimony	mg/L											
Dissolved Arsenic	mg/L				0,0035	0,0035	0,003	<0,002				<0,005
Dissolved Barium	mg/L				0,045	0,043	0,04	<0,03				0,041
Dissolved Beryllium	mg/L											
Dissolved Bismuth	mg/L											
Dissolved Boron	mg/L											
Dissolved Cadmium	mg/L				0,0002	0,0002	<0,001	<0,001				<0,005
Dissolved Calcium	mg/L				50	48	51	340				59,9
Dissolved Chloride	mg/L											
Dissolved Chromium	mg/L											
Dissolved Cobalt	mg/L											
Dissolved Copper	mg/L				0,00056	0,0011	<0,003	<0,003				<0,005
Dissolved Fluoride	mg/L											
Dissolved Iron	mg/L				0,03	0,03	<0,1	<0,1				<0,05
Dissolved Lead	mg/L				0,0001	0,00027	<0,001	<0,001				<0,005
Dissolved Lithium	mg/L											
Dissolved Magnesium	mg/L				27	27	27	<1				35,6
Dissolved Manganese	mg/L				0,03	0,031	<0,003	<0,003				0,107
Dissolved Mercury	mg/L				<0,00001	<0,00001	<0,0001	<0,0001				<0,0005
Dissolved Molybdenum	mg/L				0,026	0,025	0,07	0,04				<0,005
Dissolved Nickel	mg/L				0,019	0,019	<0,01	<0,01				<0,005
Dissolved Phosphorus	mg/L											
Dissolved Potassium	mg/L				1,8	1,5	2	1,3				2,3
Dissolved Selenium	mg/L				0,001	0,001	<0,001	<0,001				0,005
Dissolved Silicon	mg/L											
Dissolved Silver	mg/L				0,0001	0,0001	<0,0003	<0,0003				<0,005
Dissolved Sodium	mg/L						36	24				44
Dissolved Strontium	mg/L											
Dissolved Sulphate	mg/L				2,5	2	3	2,9	3			
Dissolved Tellurium	mg/L											
Dissolved Thallium	mg/L				0,002	0,002	<0,01	<0,01				<0,01
Dissolved Thorium	mg/L											
Dissolved Tin	mg/L											
Dissolved Titanium	mg/L											
Dissolved Uranium	mg/L											
Dissolved Vanadium	mg/L											
Dissolved Zinc	mg/L				0,014	0,014	0,005	<0,003				<0,005
Dissolved Zirconium	mg/L											
Anions												
Chloride	mg/L	120		1000	**160**	**180**	**160**	**160**	**180**	**160**	**160**	**169**
Fluoride	mg/L	0,12		--	0,2	0,2	0,3	0,3		0,3	0,3	0,32
Nutrients												
Total Nitrogen	mg/L											
Ammonium (N-NH4)	mg/L											
Ammonia	mg/L	0,019		--								
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16								
Nitrate and Nitrite	mg/L				<0,1	<0,1	<0,04	<0,04	<0,04			0,01
Nitrate	mg/L	2,94	13 mg/L as NO3	20			<0,02	<0,02	<0,02			0,01
Nitrite	mg/L				<0,1	<0,1	<0,02	<0,02	<0,02			<0,01
Orthophosphate	mg/L											
Total Kjeldahl Nitrogen	mg/L											
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1								
Cyanide												
Total Cyanide	mg/L	0,005		0,5								
Free Cyanide	mg/L											
CN WAD	mg/L											

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 4b: Groundwater sampling results - Second Portage Lake area

		GUIDELINES		DISCHARGE CRITERIA	SECOND PORTAGE LAKE							
Station ID				Water License	*MW08-02 (cont'd)*							
Sample ID				(Part F), Max.	*15817*	*20763*	*20764*	*V-29241*	*V-29242*	*MW-08-02*	*V-50254*	*V-50255*
Sampling Date		CCME		Avg Conc.	*2011-09-21*	*2012-07-23*	*2012-07-23*	*2013-08-28*	*2013-08-28*	*2014-08-20*	*2015-12-03*	*2015-12-04*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL	*FD*		*FD*		*FD*			
FIELD-MEASURED PARAMETERS												
General												
Temperature	°C					20,5		2,2				
pH	-					7,94		7,98		8,11	8,09	8,21
Conductivity	µS/cm					616		842	126	1006	94,8	109,4
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5								
Oxygen Reduction Potential	mV											
Salinity	ppm										38,4	41,7
Total Dissolved Solids	mg/L											
Turbidity	NTU									14,5	38,1	34,6
LABORATORY PARAMETERS												
General												
Calculated TDS	mg/L											
pH	-				7,39	7,81	7,59	7,57	7,64			
Conductivity	µS/cm											
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**76**	**102**	**100**	**105**	**105**	**147**	**33**	**49**
Bicarbonate Alkalinity HCO3	mg/L										33	49
Carbonate Alkalinity CO3	mg/L										<2	<2
Hydroxide Alkalinity OH	mg/L											
Dissolved Organic Carbon	mg/L										48,9	34,5
Reactive silica	mg/L										0,3	0,4
Sulphate (SO4)	mg/L				8	5	3	5,8	6	12,9	5,5	11,8
Hardness (CaCO3)	mg/L				305	170	178	324	310	299	24	47
Total Organic Carbon	mg/L										52,1	38,4
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15		2	4	**57**	**62**		7	**25**
Total Dissolved Solids	mg/L							399	423	843	39	73
Turbidity	NTU				2,3	8,4	7	59,1	41,5			
Total Metals												
Total Aluminum	mg/L				<0,006	0,006	<0,006				0,033	0,259
Total Antimony	mg/L										0,0022	0,0011
Total Arsenic	mg/L	0,005		0,3	0,002	<0,0005	<0,0005			0,0025	<0,0005	<0,0005
Total Barium	mg/L				0,037	0,0313	0,0311				0,0046	0,0072
Total Beryllium	mg/L										<0,0005	<0,0005
Total Bismuth	mg/L											
Total Boron	mg/L										<0,01	<0,01
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002	<0,00002	<0,00002	<0,00002				**0,00005**	**0,00012**
Total Calcium	mg/L				54,2	35,5	37,4				6,09	11,8
Total Chromium	mg/L	0,001	Based on Cr(VI)	--							**0,0023**	**0,0105**
Total Cobalt	mg/L											
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1	0,0008	<0,0005	<0,0005			**0,0152**	**0,004**	**0,0095**
Total Iron	mg/L	0,3		--	**1,4**	**1,2**	**1,1**				**1,75**	**4,22**
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1	<0,0003	<0,0003	<0,0003			0,0019	<0,0003	0,0101
Total Lithium	mg/L										<0,005	<0,005
Total Magnesium	mg/L				38	19,8	20,6				2,15	4,32
Total Manganese	mg/L				0,1213	0,133	0,1362				0,2974	0,1834
Total Mercury	mg/L	0,000026		0,0004	**0,0001**	**0,00012**	**0,00016**				0,00002	0,00001
Total Molybdenum	mg/L	0,073		--	<0,0005	0,0522	0,053				0,0027	0,0072
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2	0,0037	0,0017	0,002			0,0043	0,0015	0,0115
Total Potassium	mg/L				2	2,5	2,6				0,98	1,69
Total Selenium	mg/L	0,001		--	**0,005**	**0,004**	**0,006**				<0,001	<0,001
Total Silicon	mg/L											
Total Silver	mg/L	0,00025		--	<0,0002	<0,0002	<0,0002					
Total Sodium	mg/L				48,8	26,8	29				2,01	5,01
Total Strontium	mg/L										0,042	0,082
Total Tellurium	mg/L											
Total Thallium	mg/L	0,0008		--	0,005	<0,005	<0,005				<0,005	<0,005
Total Thorium	mg/L											
Total Tin	mg/L										<0,001	<0,001
Total Titanium	mg/L										<0,01	0,03
Total Uranium	mg/L	0,015		--							<0,001	<0,001
Total Vanadium	mg/L										<0,0005	<0,0005
Total Zinc	mg/L	0,03		0,4	**0,375**	0,005	0,004			**0,045**	**0,502**	**0,797**
Total Zirconium	mg/L											
Dissolved Metals												
Dissolved Aluminum	mg/L	--		1	<0,01	<0,01	<0,01	0,707		0,029	<0,006	<0,006
Dissolved Antimony	mg/L										0,0016	0,0005
Dissolved Arsenic	mg/L				<0,005	<0,005	<0,005	<0,0005		0,0026	<0,0005	<0,0005
Dissolved Barium	mg/L				0,041	0,025	0,024	0,0418		0,0526	0,0023	0,0063
Dissolved Beryllium	mg/L										<0,0005	<0,0005
Dissolved Bismuth	mg/L											
Dissolved Boron	mg/L										<0,01	<0,01
Dissolved Cadmium	mg/L				<0,005	<0,005	<0,005	0,00004		0,00012	0,00005	0,00012
Dissolved Calcium	mg/L				61	39,1	36,9					
Dissolved Chloride	mg/L											
Dissolved Chromium	mg/L										0,0019	0,0105
Dissolved Cobalt	mg/L											
Dissolved Copper	mg/L				<0,005	<0,005	<0,005	0,033		<0,0005	<0,0005	0,007
Dissolved Fluoride	mg/L											
Dissolved Iron	mg/L				<0,05	<0,05	<0,05	0,02		0,02	0,03	0,05
Dissolved Lead	mg/L				<0,005	<0,005	<0,005	0,0011		0,5625	<0,0003	<0,0003
Dissolved Lithium	mg/L										<0,005	<0,005
Dissolved Magnesium	mg/L				35,5	21,6	20,2					
Dissolved Manganese	mg/L				0,11	0,134	0,128			0,1526	0,2629	0,1632
Dissolved Mercury	mg/L				<0,0005	<0,0005	<0,0005	<0,0001		<0,0001	<0,00001	<0,00001
Dissolved Molybdenum	mg/L				<0,005	0,046	0,043	0,0186		0,0273	0,0028	0,0068
Dissolved Nickel	mg/L				<0,005	<0,005	<0,005	0,0054		0,0045	0,0015	0,0078
Dissolved Phosphorus	mg/L											
Dissolved Potassium	mg/L				2,4	2,1	1,9					
Dissolved Selenium	mg/L				0,005	<0,005	<0,005	0,006		0,011	<0,001	<0,001
Dissolved Silicon	mg/L											
Dissolved Silver	mg/L				<0,005	<0,005	<0,005	<0,0001				
Dissolved Sodium	mg/L				44,2	25	23,3					
Dissolved Strontium	mg/L										0,039	0,074
Dissolved Sulphate	mg/L											
Dissolved Tellurium	mg/L											
Dissolved Thallium	mg/L				<0,01	<0,01	<0,01			<0,005	<0,005	<0,005
Dissolved Thorium	mg/L											
Dissolved Tin	mg/L										<0,001	<0,001
Dissolved Titanium	mg/L										<0,01	<0,01
Dissolved Uranium	mg/L										<0,001	<0,001
Dissolved Vanadium	mg/L										<0,005	<0,005
Dissolved Zinc	mg/L				0,013	<0,005	<0,005	0,018		0,033	0,453	0,212
Dissolved Zirconium	mg/L											
Anions												
Chloride	mg/L	120		1000	**165**	111	109	**126**	**127**	**287**	5,7	13,8
Fluoride	mg/L	0,12		--	0,33	0,42	0,37	0,36	0,37			
Nutrients												
Total Nitrogen	mg/L											
Ammonium (N-NH4)	mg/L											
Ammonia	mg/L	0,019		--						<0,01	<0,01	<0,01
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16							0,01	0,17
Nitrate and Nitrite	mg/L				<0,01							
Nitrate	mg/L	2,94	13 mg/L as NO3	20	<0,01	0,04	0,04	0,22	0,26	<0,01	0,03	0,05
Nitrite	mg/L				<0,01	<0,01	<0,01	0,06	0,06	0,03	0,03	0,02
Orthophosphate	mg/L										0,02	<0,01
Total Kjeldahl Nitrogen	mg/L										0,7	1,33
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1							<0,01	<0,01
Cyanide												
Total Cyanide	mg/L	0,005		0,5		<0,005	<0,005	**0,009**	<0,005	<0,005	<0,005	<0,005
Free Cyanide	mg/L									<0,01	<0,005	<0,005
CN WAD	mg/L											

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 4c: Groundwater sampling results - Second Portage Lake area

		GUIDELINES		DISCHARGE CRITERIA	SECOND PORTAGE LAKE					
Station ID				Water License	*MW08-02 (cont'd)*			*MW08-03*		
Sample ID				(Part F), Max.	*V-50256*			*F66637*	*F68088*	*V-29999*
Sampling Date		CCME		Avg Conc.	*2015-12-04*	*2016-09-18*	*2016-09-19*	*2008-09-14*	*2008-09-14*	*2013-09-23*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL	*FD*				*FD*	
FIELD-MEASURED PARAMETERS										
General										
Temperature	°C							5		9,6
pH	-					8,06	7,94	7,1		6,92
Conductivity	µS/cm					254	630	366		644
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5						
Oxygen Reduction Potential	mV									
Salinity	ppm					44,9	49,2			
Total Dissolved Solids	mg/L									
Turbidity	NTU					23,4	23,3			
LABORATORY PARAMETERS										
General										
Calculated TDS	mg/L									
pH	-							8,1	8,2	6,59
Conductivity	µS/cm							490	480	
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**43**	**18**	**107**	**60**	**59**	**44**
Bicarbonate Alkalinity HCO3	mg/L				43	18	107			
Carbonate Alkalinity CO3	mg/L				<2	<2	<2			
Hydroxide Alkalinity OH	mg/L									
Dissolved Organic Carbon	mg/L				37	12,8	106			
Reactive silica	mg/L				0,4	1,4	2,3			
Sulphate (SO4)	mg/L				11,2	29,7	11,6			3,4
Hardness (CaCO3)	mg/L				46	47	251	180	180	2571
Total Organic Carbon	mg/L				36,4	15,4	106			
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15	**41**	**16**	**20**	**56**	**54**	3
Total Dissolved Solids	mg/L				74	88	440			2408
Turbidity	NTU							70	69	11,4
Total Metals										
Total Aluminum	mg/L				0,308	0,1	0,075			
Total Antimony	mg/L				0,0013	0,0002	0,0003			
Total Arsenic	mg/L	0,005		0,3	<0,0005	<0,0005	<0,0005			
Total Barium	mg/L				0,0081	0,0125	0,0337			
Total Beryllium	mg/L				<0,0005	<0,0005	<0,0005			
Total Bismuth	mg/L									
Total Boron	mg/L				0,01	<0,01	0,09			
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002	**0,00019**	<0,00002	<0,00002			
Total Calcium	mg/L				11,7	13,9	56			
Total Chromium	mg/L	0,001	Based on Cr(VI)	--	**0,0099**	**0,0022**	**0,0058**			
Total Cobalt	mg/L									
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1	**0,0105**	**0,0049**	**0,0028**			
Total Iron	mg/L	0,3		--	**4,09**	**2,94**	**2,99**			
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1	0,0056	<0,0003	<0,0003			
Total Lithium	mg/L				<0,005	<0,005	0,011			
Total Magnesium	mg/L				4,14	3,01	27,1			
Total Manganese	mg/L				0,1782	0,1318	0,1486			
Total Mercury	mg/L	0,000026		0,0004	0,00003	0,00005	**0,00015**			
Total Molybdenum	mg/L	0,073		--	0,0073	0,0045	0,0481			
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2	0,0121	0,0046	0,0041			
Total Potassium	mg/L				1,55	0,97	5,78			
Total Selenium	mg/L	0,001		--	0,001	<0,001	**0,004**			
Total Silicon	mg/L									
Total Silver	mg/L	0,00025		--						
Total Sodium	mg/L				4,62	1,55	28,4			
Total Strontium	mg/L				0,083	0,089	0,683			
Total Tellurium	mg/L									
Total Thallium	mg/L	0,0008		--	<0,005	0,0008	0,0008			
Total Thorium	mg/L									
Total Tin	mg/L				0,001	0,001	<0,001			
Total Titanium	mg/L				0,03	<0,01	<0,01			
Total Uranium	mg/L	0,015		--	<0,001	<0,001	0,002			
Total Vanadium	mg/L				<0,0005	<0,0005	<0,0005			
Total Zinc	mg/L	0,03		0,4	**0,914**	**0,092**	0,027			
Total Zirconium	mg/L									
Dissolved Metals										
Dissolved Aluminum	mg/L	--		1	<0,006	<0,006	<0,006	0,0046	0,0041	<0,006
Dissolved Antimony	mg/L				0,0005	0,0001	0,0003			
Dissolved Arsenic	mg/L				<0,0005	<0,0005	<0,0005	0,001	0,001	0,034
Dissolved Barium	mg/L				0,0061	0,0069	0,0337	0,033	0,034	0,0579
Dissolved Beryllium	mg/L				<0,0005	<0,0005	<0,0005			
Dissolved Bismuth	mg/L									
Dissolved Boron	mg/L				<0,01	<0,01	0,09			
Dissolved Cadmium	mg/L				0,00011	<0,00002	0,00002	0,0002	0,0002	0,0007
Dissolved Calcium	mg/L							46	46	
Dissolved Chloride	mg/L									
Dissolved Chromium	mg/L				0,0026	0,0018	0,0051			
Dissolved Cobalt	mg/L									
Dissolved Copper	mg/L				0,0044	<0,0005	0,0005	0,003	0,0039	0,0287
Dissolved Fluoride	mg/L									
Dissolved Iron	mg/L				0,04	<0,01	<0,01	0,03	0,03	<0,01
Dissolved Lead	mg/L				<0,0003	<0,0003	<0,0003	0,00056	0,00027	<0,0003
Dissolved Lithium	mg/L				<0,005	<0,005	0,007			
Dissolved Magnesium	mg/L							17	16	
Dissolved Manganese	mg/L				0,1604	0,1037	0,1417	0,32	0,32	
Dissolved Mercury	mg/L				<0,00001	<0,00001	<0,00001	<0,00001	<0,00001	<0,0001
Dissolved Molybdenum	mg/L				0,0068	0,0034	0,0432	0,14	0,14	0,0213
Dissolved Nickel	mg/L				0,0075	0,0027	0,0037	0,001	0,0017	0,0563
Dissolved Phosphorus	mg/L									
Dissolved Potassium	mg/L							4,4	4,5	
Dissolved Selenium	mg/L				<0,001	<0,001	0,001	0,001	0,001	0,137
Dissolved Silicon	mg/L									
Dissolved Silver	mg/L							0,0001	0,0001	
Dissolved Sodium	mg/L									
Dissolved Strontium	mg/L				0,074	0,07	0,532			
Dissolved Sulphate	mg/L							56	51	
Dissolved Tellurium	mg/L									
Dissolved Thallium	mg/L				<0,005	<0,0008	<0,0008	0,002	0,002	<0,005
Dissolved Thorium	mg/L									
Dissolved Tin	mg/L				<0,001	<0,001	<0,001			
Dissolved Titanium	mg/L				<0,01	<0,01	<0,01			
Dissolved Uranium	mg/L				<0,001	<0,001	0,001			
Dissolved Vanadium	mg/L				0,005	<0,0005	<0,0005			
Dissolved Zinc	mg/L				0,2	<0,001	<0,001	0,004	0,0035	0,513
Dissolved Zirconium	mg/L									
Anions										
Chloride	mg/L	120		1000	13,6	5,2	103	3,3	3,6	**2427**
Fluoride	mg/L	0,12		--				0,3	0,3	0,11
Nutrients										
Total Nitrogen	mg/L									
Ammonium (N-NH4)	mg/L									
Ammonia	mg/L	0,019		--	<0,01	<0,01	<0,01	**2**	**2**	
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16	0,14	0,27	0,44			
Nitrate and Nitrite	mg/L							27	27	
Nitrate	mg/L	2,94	13 mg/L as NO3	20	0,04	0,54	0,02	**26**	**26**	0,3
Nitrite	mg/L				0,02	0,05	0,04	1,1	1,2	0,35
Orthophosphate	mg/L				<0,01	0,05	0,04			
Total Kjeldahl Nitrogen	mg/L				1,81	0,82	1,18			
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1	**0,02**	**0,01**	**0,02**			
Cyanide										
Total Cyanide	mg/L	0,005		0,5	<0,005	<0,001	<0,001			0,005
Free Cyanide	mg/L				<0,005	<0,005	<0,005			
CN WAD	mg/L									

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 5: Groundwater sampling results - South Cell TFS area

		GUIDELINES		DISCHARGE CRITERIA	SOUTH CELL TSF						
Station ID				Water License	*MW03-04*	*MW06-07*		*BH 10-01*		*MW11-02*	
Sample ID				(Part F), Max.	*9756-01*	*12568-01*	*12568-02*	*LS1892 LS1894*	*LS1893 LS1895*	*15870*	*15871*
Sampling Date		CCME		Avg Conc.	*2003-09-18*	*2006-08-30*	*2006-08-30*	*2010-08-27*	*2010-08-27*	*2011-09-26*	*2011-09-26*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL			*FD*		*FD*		*FD*
FIELD-MEASURED PARAMETERS											
General											
Temperature	°C				3,3	5	5	3,9		8,9	
pH	-				7,67	8	8	7,6		8,93	
Conductivity	µS/cm				410	440	440	910		8,93	
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5		**83,6**	**83,6**				
Oxygen Reduction Potential	mV									8,93	
Salinity	ppm										
Total Dissolved Solids	mg/L										
Turbidity	NTU										
LABORATORY PARAMETERS											
General											
Calculated TDS	mg/L				154	172	162	393	401	123	123
pH	-					7,54	7,57	7,55	7,56	7,19	7,4
Conductivity	µS/cm					281	285	930	940		
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5		**89**	**89**	**110**	**110**	**104**	**103**
Bicarbonate Alkalinity HCO3	mg/L					108	108				
Carbonate Alkalinity CO3	mg/L					<0,5	<0,5				
Hydroxide Alkalinity OH	mg/L					<0,5	<0,5				
Dissolved Organic Carbon	mg/L										
Reactive silica	mg/L										
Sulphate (SO4)	mg/L										
Hardness (CaCO3)	mg/L				53	115	117,5	300	300	167	165
Total Organic Carbon	mg/L										
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15		11	11				
Total Dissolved Solids	mg/L					220	220	650	690	263	259
Turbidity	NTU							56	55	55,8	69,3
Total Metals											
Total Aluminum	mg/L					1,08	1,06	<0,03	<0,03	1,81	1,23
Total Antimony	mg/L					<0,001	<0,001				
Total Arsenic	mg/L	0,005		0,3		0,001	0,002	**0,018**	**0,018**	<0,0005	<0,0005
Total Barium	mg/L					0,11	0,11	0,44	0,44	0,2297	0,2097
Total Beryllium	mg/L					<0,001	<0,001				
Total Bismuth	mg/L					<0,001	<0,001				
Total Boron	mg/L					<0,05	<0,05				
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002		<0,0002	<0,0002	<0,001	<0,001	0,00004	<0,00002
Total Calcium	mg/L					34,9	36,4	71	69	49,7	49,2
Total Chromium	mg/L	0,001	Based on Cr(VI)	--		**0,006**	**0,005**				
Total Cobalt	mg/L					0,001	0,001				
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1		**0,011**	**0,011**	<0,003	<0,003	**0,032**	**0,0247**
Total Iron	mg/L	0,3		--		**1,5**	**1,58**	**3,1**	**3,1**	**1,9**	**0,9**
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1		0,001	0,001	<0,001	<0,001	**0,003**	**0,0039**
Total Lithium	mg/L					0,004	0,004				
Total Magnesium	mg/L					8,81	9,04	30	30	10,6	10,4
Total Manganese	mg/L					0,073	0,074	0,17	0,17	0,2274	0,1853
Total Mercury	mg/L	0,000026		0,0004		<0,00002	<0,00002	<0,0001	<0,0001	**0,00058**	**0,00064**
Total Molybdenum	mg/L	0,073		--		0,005	0,0048	<0,03	<0,03	<0,0005	<0,0005
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2		0,005	0,005	**0,05**	**0,04**	0,0087	0,0065
Total Potassium	mg/L					2,7	2,8	7,7	7,7	1,9	2
Total Selenium	mg/L	0,001		--		<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Total Silicon	mg/L					5,2	5				
Total Silver	mg/L	0,00025		--		**0,0009**	**0,0009**	<0,0003	<0,0003	**0,0006**	0,0002
Total Sodium	mg/L					8,85	9,12	58	58	10,5	10,3
Total Strontium	mg/L					0,23	0,24				
Total Tellurium	mg/L					<0,001	<0,001				
Total Thallium	mg/L	0,0008		--		<0,0001	<0,0001	<0,01	0,01	<0,005	<0,005
Total Thorium	mg/L					<0,0005	<0,0005				
Total Tin	mg/L					<0,001	<0,001				
Total Titanium	mg/L					0,032	0,031				
Total Uranium	mg/L	0,015		--		0,0095	0,0097				
Total Vanadium	mg/L					0,002	0,002				
Total Zinc	mg/L	0,03		0,4		0,006	0,006	<0,003	0,005	0,024	0,019
Total Zirconium	mg/L					<0,01	<0,01				
Dissolved Metals											
Dissolved Aluminum	mg/L	--		1	0,72	0,04	0,042	<0,03	<0,03	<0,01	<0,01
Dissolved Antimony	mg/L				0,001	<0,001	<0,001				
Dissolved Arsenic	mg/L				0,007	<0,001	0,001	0,007	0,007	<0,005	<0,005
Dissolved Barium	mg/L				0,03	0,086	0,086	0,42	0,44	0,16	0,167
Dissolved Beryllium	mg/L				<0,001	<0,001	<0,001				
Dissolved Bismuth	mg/L				<0,001	<0,001	<0,001				
Dissolved Boron	mg/L				<0,05	<0,05	<0,05				
Dissolved Cadmium	mg/L				<0,0002	<0,0002	<0,0002	<0,001	<0,001	<0,005	<0,005
Dissolved Calcium	mg/L				15	31,3	31,5	68	73	42,8	43,4
Dissolved Chloride	mg/L				13,4	33,3	33,5				
Dissolved Chromium	mg/L				<0,001	<0,001	<0,001				
Dissolved Cobalt	mg/L				0,003	<0,001	<0,001				
Dissolved Copper	mg/L				0,006	0,005	0,008	<0,003	<0,003	0,008	0,01
Dissolved Fluoride	mg/L				0,34	0,2	0,11				
Dissolved Iron	mg/L				0,55	<0,05	0,05	0,2	0,2	<0,05	<0,05
Dissolved Lead	mg/L				0,006	<0,001	<0,001	<0,001	<0,001	<0,005	<0,005
Dissolved Lithium	mg/L				0,015	0,002	0,002				
Dissolved Magnesium	mg/L				3,81	6,83	6,92	30	31	7,7	8
Dissolved Manganese	mg/L				0,049	0,032	0,032	0,18	0,18	0,145	0,148
Dissolved Mercury	mg/L				<0,00002	<0,00002	<0,00002	<0,0001	<0,0001	0,0011	0,001
Dissolved Molybdenum	mg/L				0,024	0,004	0,0042	<0,03	<0,03	<0,005	<0,005
Dissolved Nickel	mg/L				0,003	0,002	0,002	0,05	0,05	<0,005	<0,005
Dissolved Phosphorus	mg/L				5,58	0,3	0,3				
Dissolved Potassium	mg/L				5,44	2,3	2,3	7,8	8	1,3	1,4
Dissolved Selenium	mg/L				<0,001	<0,001	<0,001	<0,001	<0,001	<0,005	<0,005
Dissolved Silicon	mg/L				10,2	2,7	2,7				
Dissolved Silver	mg/L				<0,0001	<0,00025	<0,00025	<0,0003	<0,0003	<0,005	<0,005
Dissolved Sodium	mg/L				52,9	7,68	7,84	59	61	7,6	7,9
Dissolved Strontium	mg/L				0,14	0,19	0,2				
Dissolved Sulphate	mg/L				63,8	3,75	3,76	210	210	42	41
Dissolved Tellurium	mg/L				<0,001	<0,001	<0,001				
Dissolved Thallium	mg/L				<0,0001	<0,0001	<0,0001	<0,01	<0,01	<0,01	<0,01
Dissolved Thorium	mg/L				<0,0005	<0,0005	<0,0005				
Dissolved Tin	mg/L				<0,001	<0,001	<0,001				
Dissolved Titanium	mg/L				0,003	<0,001	<0,001				
Dissolved Uranium	mg/L				0,013	0,0079	0,008				
Dissolved Vanadium	mg/L				<0,001	<0,001	<0,001				
Dissolved Zinc	mg/L				0,022	<0,005	<0,005	<0,005	0,012	<0,005	0,013
Dissolved Zirconium	mg/L				<0,001	<0,01	<0,01				
Anions											
Chloride	mg/L	120		1000				17	17	20,9	20,7
Fluoride	mg/L	0,12		--				**0,4**	**0,5**	**0,13**	**0,18**
Nutrients											
Total Nitrogen	mg/L										
Ammonium (N-NH4)	mg/L										
Ammonia	mg/L	0,019		--							
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16				**3,8**	**3,8**	0,17	0,2
Nitrate and Nitrite	mg/L				<0,05			0,57	0,57	1,72	1,73
Nitrate	mg/L	2,94	13 mg/L as NO3	20	<0,05	0,12	0,12			1,7	1,7
Nitrite	mg/L				0,004	0,003	0,003			0,02	0,03
Orthophosphate	mg/L										
Total Kjeldahl Nitrogen	mg/L										
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1		**0,4**	**0,4**				
Cyanide											
Total Cyanide	mg/L	0,005		0,5						<0,005	
Free Cyanide	mg/L									<0,005	
CN WAD	mg/L							0,1		<0,005	

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Table 6: Groundwater sampling results - South Portage Pit E area

		GUIDELINES		ISCHARGE CRITER	SOUTH PORTAGE PIT E					
Station ID				Water License	*Pit E3-B2*	*Pit E3-B6*		*Pit E3-B7*		*Pit E4*
Sample ID				(Part F), Max.	*V-50466*	*V-50563*	*-*	*Pit E3-B7*	*Pit E3*	*Pit E4*
Sampling Date		CCME		Avg Conc.	*2015-12-13*	*2015-12-17*	*2016-01-12*	*2016-03-01*	*2016-07-03*	*2016-08-18*
QA/QC	Unit	Guidelines	Notes	Discharge to 3PL						
FIELD-MEASURED PARAMETERS										
General										
Temperature	°C									
pH	-				7,66	7,71	8,14	7,31		8,22
Conductivity	µS/cm				307	300	1413	353		255
Alkalinity (CaCO3)	mg/L	0,1	pH 3PL > 6.5	1,5						
Oxygen Reduction Potential	mV									
Salinity	ppm				125	127		<1		130
Total Dissolved Solids	mg/L									182
Turbidity	NTU				110,7	924	9,86	8,16		9,77
LABORATORY PARAMETERS										
General										
Calculated TDS	mg/L									
pH	-									
Conductivity	µS/cm									
Total Alkalinity	mg/L	0,1	pH 3PL > 6.5	1,5	**102**	**105**	**90**	**91**	**74**	**78**
Bicarbonate Alkalinity HCO3	mg/L				102	105	90	91	74	78
Carbonate Alkalinity CO3	mg/L				<2	<2	<2	<2	<2	<2
Hydroxide Alkalinity OH	mg/L									
Dissolved Organic Carbon	mg/L				3,3	11,3	4,1	0,3	4,4	0,3
Reactive silica	mg/L				6	10	6,9	5,4	7	7,7
Sulphate (SO4)	mg/L				9,5	13,3	15	14,7	89	45,1
Hardness (CaCO3)	mg/L				115	117	103	114	129	96
Total Organic Carbon	mg/L				51	10,1	3,6	2,2	4,4	1,9
Total Suspended Solids	mg/L	--	max. 5 mg/L increase from background	15	55	855	2	<1	10	19
Total Dissolved Solids	mg/L				55	185	260		271	180
Turbidity	NTU									
Total Metals										
Total Aluminum	mg/L				6,64	10,98	<0,006	0,022	0,218	0,157
Total Antimony	mg/L				0,0012	0,0014	0,0006	<0,0001	0,0007	0,0002
Total Arsenic	mg/L	0,005		0,3	**0,0673**	0,0044	<0,0005	<0,0005	**0,0118**	**0,0175**
Total Barium	mg/L				0,0137	0,0087	0,0016	<0,0005	0,0154	0,0063
Total Beryllium	mg/L				0,0035	0,0014	<0,0005	<0,0005	<0,0005	<0,0005
Total Bismuth	mg/L									
Total Boron	mg/L				0,19	0,5	0,24	0,27	0,03	0,09
Total Cadmium	mg/L	0,00004	3PL hardness < 17 mg/L CaCO3	0,002	**0,00032**	**0,00035**	<0,00002	0,00006	**0,00007**	0,00002
Total Calcium	mg/L				23,7	27,4	23,8	24,8	29,1	21
Total Chromium	mg/L	0,001	Based on Cr(VI)	--	**0,0571**	**0,0355**	<0,0006	**0,0013**	**0,002**	**0,0015**
Total Cobalt	mg/L									
Total Copper	mg/L	0,002	3PL hardness < 82 mg/L CaCO3	0,1	**0,017**	**0,0101**	<0,0005	<0,0005	<0,0005	0,0006
Total Iron	mg/L	0,3		--	**42,4**	**41,7**	0,25	0,11	**0,61**	**0,32**
Total Lead	mg/L	0,001	3PL hardness < 60 mg/L CaCO3	0,1	**0,0222**	**0,0137**	<0,0003	<0,0003	<0,0003	<0,0003
Total Lithium	mg/L				0,019	0,02	<0,005	<0,005	<0,005	0,031
Total Magnesium	mg/L				13,7	11,9	10,8		13,9	10,7
Total Manganese	mg/L				0,2411	0,1908	0,018	0,0175	0,0945	0,0681
Total Mercury	mg/L	0,000026		0,0004	**0,00019**	**0,00011**	**0,00025**	**0,00018**	<0,0001	**0,00018**
Total Molybdenum	mg/L	0,073		--	0,0537	0,0654	0,0095	0,0097	0,0254	0,0119
Total Nickel	mg/L	0,025	3PL hardness < 60 mg/L CaCO3	0,2	**0,0484**	**0,0397**	0,0009	0,0017	**0,0345**	**0,0269**
Total Potassium	mg/L				3,16	1,42	1,32	0,77	6,24	2,17
Total Selenium	mg/L	0,001		--	**0,004**	**0,002**	**0,006**	**0,002**	0,001	<0,001
Total Silicon	mg/L									
Total Silver	mg/L	0,00025		--						
Total Sodium	mg/L				19,4	20,9	27,9	28,6	16,7	17
Total Strontium	mg/L				0,203	0,204	0,219	0,239	0,239	0,144
Total Tellurium	mg/L									
Total Thallium	mg/L	0,0008		--	<0,005	<0,005	<0,005	<0,002	<0,0008	<0,0008
Total Thorium	mg/L									
Total Tin	mg/L				<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Total Titanium	mg/L				0,07	0,04	0,01		0,02	0,01
Total Uranium	mg/L	0,015		--	**0,018**	0,007	<0,001	0,001	0,003	0,001
Total Vanadium	mg/L				0,012	0,013	<0,0005	<0,0005	<0,0005	0,0023
Total Zinc	mg/L	0,03		0,4	0,016	0,015	<0,001		<0,001	0,12
Total Zirconium	mg/L									
Dissolved Metals										
Dissolved Aluminum	mg/L	--		1	<0,006	0,012	<0,006		<0,006	<0,006
Dissolved Antimony	mg/L				0,0015	0,0016	0,0007		0,0007	<0,0001
Dissolved Arsenic	mg/L				0,0089	<0,0005	<0,0005		0,0082	0,0076
Dissolved Barium	mg/L				<0,0005	<0,0005	0,0018		0,0161	0,0048
Dissolved Beryllium	mg/L				<0,0005	<0,0005	<0,0005		<0,0005	<0,0005
Dissolved Bismuth	mg/L									
Dissolved Boron	mg/L				0,21	0,2	0,23		0,03	0,09
Dissolved Cadmium	mg/L				0,00007	0,00011	<0,00002		<0,00002	<0,00002
Dissolved Calcium	mg/L									
Dissolved Chloride	mg/L									
Dissolved Chromium	mg/L				<0,0006	0,0036	<0,0006		<0,0006	<0,0006
Dissolved Cobalt	mg/L									
Dissolved Copper	mg/L				<0,0005	<0,0005	<0,0005		<0,0005	<0,0005
Dissolved Fluoride	mg/L									
Dissolved Iron	mg/L				<0,01	<0,01	0,11		0,04	<0,01
Dissolved Lead	mg/L				<0,0003	<0,0003	<0,0003		<0,0003	<0,0003
Dissolved Lithium	mg/L				<0,005	<0,005	0,005		<0,005	<0,005
Dissolved Magnesium	mg/L									
Dissolved Manganese	mg/L				0,0126	0,014	0,0174		0,0945	0,0594
Dissolved Mercury	mg/L				0,00021	0,00051	0,00023		<0,0001	0,00019
Dissolved Molybdenum	mg/L				0,0386	0,0354	0,0095		0,026	0,0117
Dissolved Nickel	mg/L				0,0122	0,0067	0,0007		0,0311	0,0259
Dissolved Phosphorus	mg/L									
Dissolved Potassium	mg/L									
Dissolved Selenium	mg/L				0,003	<0,001	<0,001		<0,001	<0,001
Dissolved Silicon	mg/L									
Dissolved Silver	mg/L									
Dissolved Sodium	mg/L									
Dissolved Strontium	mg/L				0,169	0,157	0,22		0,188	0,138
Dissolved Sulphate	mg/L									
Dissolved Tellurium	mg/L									
Dissolved Thallium	mg/L				<0,005	<0,005	<0,005		<0,0008	<0,0008
Dissolved Thorium	mg/L									
Dissolved Tin	mg/L				<0,001	<0,001	<0,001		<0,001	<0,001
Dissolved Titanium	mg/L				0,01	0,01	0,01		0,02	0,01
Dissolved Uranium	mg/L				0,011	0,007	<0,001		0,003	0,001
Dissolved Vanadium	mg/L				<0,0005	<0,0005	<0,0005		<0,0005	<0,0005
Dissolved Zinc	mg/L				<0,001	<0,001	<0,001		<0,001	0,098
Dissolved Zirconium	mg/L									
Anions										
Chloride	mg/L	120		1000	19,7	19,1	53,5	61	8,4	8,8
Fluoride	mg/L	0,12		--						
Nutrients										
Total Nitrogen	mg/L									
Ammonium (N-NH4)	mg/L									
Ammonia	mg/L	0,019		--	<0,01	<0,01	<0,01	<0,01	**0,06**	0,01
Ammonia-Nitrogen (NH3-NH4)	mg/L	1,83	@15 C & pH 7.5	16	0,01	0,06	0,1	0,05	**2,2**	0,37
Nitrate and Nitrite	mg/L									
Nitrate	mg/L	2,94	13 mg/L as NO3	20	<0,01	<0,01	0,54	<0,01	**4,67**	0,16
Nitrite	mg/L				<0,01	<0,01	0,01	<0,01	0,3	0,02
Orthophosphate	mg/L				<0,01	<0,01	0,01	0,01	0,01	0,01
Total Kjeldahl Nitrogen	mg/L				<0,05	8,55	0,13	0,2	3,78	0,34
Total Phosphorus	mg/L	0,0040	guidance only: 4 to 10 ug/L for oligotrophic lakes	1	**1,05**	**0,97**	<0,01	<0,01	**0,14**	**0,02**
Cyanide										
Total Cyanide	mg/L	0,005		0,5	<0,005	<0,005	0,005		**0,031**	<0,005
Free Cyanide	mg/L				<0,005	<0,005	<0,005	0,008		
CN WAD	mg/L									

Notes: 1,11 *Bold value: Concentration exceeding CCME Guidelines*

40 *Bold value in red cell: Concentration exceeding Water Licence (Part F) Maximum Average Concentration discharge to Third Portage Lake*

Appendix D

Laboratory Reports

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50862

Sampling location: Pit-E3
Sampling date: January 12, 2016

Sample name: Pit-E3-B6
Sampling hour: 13:00

Sampled by: Randy Schwandt/Tom Thomso
Date received: January 13, 2016

Matrix: Water

Drinking water distribution:

Reported on: February 04, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Multilab DIRECT

Analytical Report

Lab number: V-50862

Sample name: Pit-E3-B6 | Sampling date: January 12, 2016

Sampling location: Pit-E3 | Sampling hour: 13:00

Parameter	Result		Method name	Analysis date
Alkalinity	90	mg CaCO3/L	M-TIT-1.0	January 13, 2016
Aluminium (Al)	<0.006	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Aluminium (Al)	<0.006	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Antimony (Sb)	0.0006	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Antimony (Sb)	0.0007	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Arsenic (As)	<0.0005	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Arsenic (As)	<0.0005	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Ammonia nitrogen (NH3-NH4)	0.1	mg N/L	Sous-traitance\Multilab Direct	January 18, 2016
Kjeldahl nitrogen	0.13	mg N/L	Sous-traitance\Multilab Direct	February 02, 2016
Barium (Ba)	0.0016	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Barium (Ba)	0.0018	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
bicarbonate (HCO3)	90	mg CaCO3/L	M-TIT-1.0	January 13, 2016
Boron (B)	0.24	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Boron (B)	0.23	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Cadmium (Cd)	<0.00002	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Cadmium (Cd)	<0.00002	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Calcium (Ca)	23.8	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Carbonate (CO3)	<2	mg CaCO3/L	M-TIT-1.0	January 13, 2016
Dissolved Organic Carbon (D.O.(	4.1	mg/L	M-COT-1.0	January 13, 2016
Total Organic Carbon (T.O.C.)	3.6	mg/L	M-COT-1.0	January 13, 2016
Chloride	53.5	mg/L	Sous-traitance\Multilab Direct	January 15, 2016
Chrome (Cr)	<0.0006	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Chromium (Cr)	<0.0006	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Copper (Cu)	<0.0005	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Copper (Cu)	<0.0005	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Cyanide W.A.D.	0.048	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Total Cyanide (CNt)	0.005	mg/L	M-CN-1.0	January 13, 2016
Hardness	103	mg CaCO3/L	Sous-traitance\Multilab Direct	January 19, 2016
Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Iron (Fe)	0.25	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Iron (Fe)	0.11	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Fluoride (F)	1.18	mg/L	Sous-traitance\Multilab Direct	January 14, 2016
Lithium (Li)	<0.005	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Total Suspended Solids	2	mg/L	M-SOLI-1.0	January 14, 2016

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

F-02-06
Version 3ième: 26/10/2005

Multilab DIRECT

Analytical Report

Lab number: V-50862

Sample name: Pit-E3-B6 | Sampling date: January 12, 2016

Sampling location: Pit-E3 | Sampling hour: 13:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	10.8 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Manganese (Mn)	0.018 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Manganese (Mn)	0.0174 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Mercury (Hg)	0.00025 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Mercury (Hg)	0.00023 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Molybdenum (Mo)	0.0095 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Molybdenum (Mo)	0.0095 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	January 18, 2016
Nickel (Ni)	0.0009 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Nickel (Ni)	0.0007 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Nitrate (NO3)	0.54 mg N/L	Sous-traitance\Multilab Direct	January 14, 2016
Nitrite (NO2)	0.01 mg N/L	Sous-traitance\Multilab Direct	January 14, 2016
Ortho-Phosphate (O-PO4)	0.01 mg P/L	Sous-traitance\Multilab Direct	January 15, 2016
Total Phosphorus (P)	<0.01 mg P/L	Sous-traitance\Multilab Direct	January 15, 2016
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Potassium (K)	1.32 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Salinity	0.254	Sous-traitance\Multilab Direct	January 13, 2016
Selenium (Se)	0.006 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Reactive silica (SiO2)	6.9 mg/L	ous-traitance\Maxxam Analytics Ir	January 20, 2016
Sodium (Na)	27.9 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Solids	260 mg/L	M-TIT-1.0	January 13, 2016
Strontium (Sr)	0.219 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
dissolved Strontium (Sr)	0.220 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Sulfate (SO4)	15.0 mg SO4/L	Sous-traitance\Multilab Direct	January 19, 2016
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Zinc (Zn)	<0.001 mg/L	Sous-traitance\Multilab Direct	January 19, 2016
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	January 19, 2016

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

F-02-06
Version 3ième: 26/10/2005

Multilab DIRECT

Detection limit

Lab number: V-50862

Sample name: Pit-E3-B6 | Sampling date: January 12, 2016

Sampling location: Pit-E3 | Sampling hour: 13:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO3/L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance	
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Dissolved Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO3)	2	mg CaCO3/L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Dissolved Boron (B)	0.01	mg/L	Sous-traitance	
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO3)	2	mg CaCO3/L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.(	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006	mg/L	Sous-traitance	
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Cyanide W.A.D.	0.005	mg/L	Sous-traitance	Yes
Total Cyanide (CNt)	0.005	mg/L	M-CN-1.0	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Tin (Sn)	0.001	mg/L	Sous-traitance	
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

F-02-06
Version 3ième: 26/10/2005

Detection limit

Lab number: V-50862

Sample name: Pit-E3-B6 | Sampling date: January 12, 2016

Sampling location: Pit-E3 | Sampling hour: 13:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Multilab DIRECT

Quality control Report

Lab number: V-50862

Sample name: Pit-E3-B6 Sampling date: January 12, 2016

Sampling location: Pit-E3 Sampling hour: 13:00

Parameter		
Alkalinity mg CaCO3/L	Standard name	STD alcalinité
	Result	144
	Accuracy	99.3%
	Limit	123 - 167
Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	0.990
	Accuracy	99%
	Limit	0.800 - 1.200
	Sample duplicate	<0.006-<0.006
Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0093
	Accuracy	93%
	Limit	0.0080 - 0.0120
	Sample duplicate	0.0006-0.0004
Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0483-2015-Ag
	Result	0.5935
	Accuracy	82%
	Limit	0.579 - 0.869
	Sample duplicate	<0.0001-<0.0001
Arsenic (As) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0915
	Accuracy	91.5%
	Limit	0.0700 - 0.1300
	Sample duplicate	<0.0005-<0.0005
Ammonia nitrogen (NH3-NH4) m	Blank	<0.01
	Standard name	DMR-0483-2015-NH3
	Result	3.99
	Accuracy	93.3%
	Limit	3.18 - 4.30
Kjeldahl nitrogen mg N/L	Blank	<0.05
	Standard name	DMR-0009-2016-NTK
	Result	5.27
	Accuracy	99.2%
	Limit	4.51 - 6.11
Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-50862

Sample name: Pit-E3-B6 Sampling date: January 12, 2016

Sampling location: Pit-E3 Sampling hour: 13:00

Parameter		
	Result	0.0955
	Accuracy	95.5%
	Limit	0.0800 - 0.1200
	Sample duplicate	0.0016-0.0016
Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1098
	Accuracy	90.2%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.0005-<0.0005
Boron (B) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.15
	Accuracy	85%
	Limit	0.800 - 1.200
	Sample duplicate	0.24-0.24
Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	C00-046-705_X_1000
	Result	0.10035
	Accuracy	99.6%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.00002-<0.00002
Calcium (Ca) mg/L	Blank	<0.03
	Standard name	C00-046-705_X_1000
	Result	0.99
	Accuracy	99%
	Limit	0.800 - 1.200
	Sample duplicate	23.8-23.2
Dissolved Organic Carbon (D.O.(	Blank	<0.2
	Standard name	COD 10mg/L
	Result	12
	Accuracy	80%
	Limit	8 - 12
Total Organic Carbon (T.O.C.) m	Blank	<0.2
	Standard name	COT 10mg/L
	Result	12
	Accuracy	80%
	Limit	8 - 12
Chrome (Cr) mg/L	Blank	<0.0006
	Standard name	C00-046-705_X_1000

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Multilab DIRECT

Quality control Report

Lab number: V-50862

Sample name: Pit-E3-B6 Sampling date: January 12, 2016

Sampling location: Pit-E3 Sampling hour: 13:00

Parameter		
	Result	0.0955
	Accuracy	95.5%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.0006-<0.0006
Copper (Cu) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0957
	Accuracy	95.7%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.0005-<0.0005
Total Cyanide (CNt) mg/L	Blank	<0.005
	Standard name	DMR-0841-2015-4
	Result	0.0750
	Accuracy	92%
	Limit	0.0693 - 0.0937
Hardness mg CaCO3/L	Sample duplicate	103-101
Tin (Sn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.095
	Accuracy	95%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.001-<0.001
Iron (Fe) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.09
	Accuracy	91%
	Limit	0.800 - 1.200
	Sample duplicate	0.25-0.25
Fluoride (F) mg/L	Blank	<0.02
	Standard name	DMR-0839-2015-F
	Result	2.46
	Accuracy	96.2%
	Limit	2.19 - 2.55
Total Suspended Solids mg/L	Blank	<1
	Standard name	STD-MES 25mg/L
	Result	24
	Accuracy	96%
	Limit	19 - 31
Magnesium (Mg) mg/L	Blank	<0.02
	Standard name	C00-046-705_X_1000

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Multilab DIRECT

Quality control Report

Lab number: V-50862

Sample name: Pit-E3-B6 | Sampling date: January 12, 2016

Sampling location: Pit-E3 | Sampling hour: 13:00

Parameter		
	Result	0.97
	Accuracy	97%
	Limit	0.800 - 1.200
	Sample duplicate	10.8-10.7
Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0989
	Accuracy	98.9%
	Limit	0.0800 - 0.1200
	Sample duplicate	0.0180-0.0178
Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0791-2015-Eu
	Result	0.00042
	Accuracy	66.7%
	Limit	0.00038 - 0.00088
Dissolved Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0791-2015-Eu
	Result	0.00042
	Accuracy	66.7%
	Limit	0.00038 - 0.00088
Molybdenum (Mo) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0931
	Accuracy	93.1%
	Limit	0.0800 - 0.1200
	Sample duplicate	0.0095-0.0094
Ammonia NH3 (non-ionized) mg	Blank	<0.01
Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0946
	Accuracy	94.6%
	Limit	0.0800 - 0.1200
	Sample duplicate	0.0009-0.0010
Nitrate (NO3) mg N/L	Blank	<0.01
Nitrite (NO2) mg N/L	Blank	<0.01
	Standard name	DMR-0839-2015-NO2
	Result	2.11
	Accuracy	95.5%
	Limit	1.72 - 2.32
Ortho-Phosphate (O-PO4) mg P/	Blank	<0.01

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Multilab DIRECT

Quality control Report

Lab number: V-50862

Sample name: Pit-E3-B6 Sampling date: January 12, 2016

Sampling location: Pit-E3 Sampling hour: 13:00

Parameter		
	Standard name	DMR-0839-2015-OPO4
	Result	0.59
	Accuracy	90.8%
	Limit	0.57 - 0.73
Total Phosphorus (P) mg P/L	Blank	<0.01
	Standard name	DMR-0483-2015-Ptotal
	Result	1.90
	Accuracy	95%
	Limit	1.76 - 2.24
Lead (Pb) mg/L	Blank	<0.0003
	Standard name	C00-046-705_X_1000
	Result	0.0923
	Accuracy	92.3%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.0003-<0.0003
Potassium (K) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	1.14
	Accuracy	86%
	Limit	0.800 - 1.200
	Sample duplicate	1.32-1.35
Selenium (Se) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.081
	Accuracy	81%
	Limit	0.0800 - 0.1200
	Sample duplicate	0.006-0.003
Sodium (Na) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	1.20
	Accuracy	80%
	Limit	0.800 - 1.200
	Sample duplicate	27.9-27.2
Sulfate (SO4) mg SO4/L	Blank	<0.6
	Standard name	DMR-0839-2015-SO4
	Result	135
	Accuracy	92.9%
	Limit	113 - 139
Titanium (Ti) mg/L	Blank	<0.01
	Sample duplicate	0.01-0.01

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-50862

Sample name: Pit-E3-B6 Sampling date: January 12, 2016

Sampling location: Pit-E3 Sampling hour: 13:00

Parameter		
Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.097
	Accuracy	97%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.001-<0.001
Vanadium (V) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0940
	Accuracy	94%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.0005-<0.0005
Zinc (Zn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.098
	Accuracy	98%
	Limit	0.0800 - 0.1200
	Sample duplicate	<0.001-<0.001

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Additional information

Lab number: V-50862
Sample name: Pit-E3-B6
Sampling location: Pit-E3
Sampling date: January 12, 2016
Sampling hour: 13:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-51587

Sampling location: PIT E
Sampling date: March 01, 2016

Sample name: PIT E3 - B7
Sampling hour: 08:15

Sampled by: TT/RS
Date received: March 02, 2016

Matrix: Water

Drinking water distribution:

Reported on: March 15, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter	Result		Method name	Analysis date
Alkalinity	91	mg CaCO3/L	M-TIT-1.0	March 02, 2016
Aluminium (Al)	0.022	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Antimony (Sb)	<0.0001	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Arsenic (As)	<0.0005	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Ammonia nitrogen (NH3-NH4)	0.05	mg N/L	Sous-traitance\Multilab Direct	March 08, 2016
Kjeldahl nitrogen	0.2	mg N/L	Sous-traitance\Multilab Direct	March 10, 2016
Barium (Ba)	<0.0005	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
bicarbonate (HCO3)	91	mg CaCO3/L	M-TIT-1.0	March 02, 2016
Boron (B)	0.27	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Cadmium (Cd)	0.00006	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Calcium (Ca)	24.8	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Carbonate (CO3)	<2	mg CaCO3/L	M-TIT-1.0	March 02, 2016
Dissolved Organic Carbon (D.O.(	0.3	mg/L	M-COT-1.0	March 03, 2016
Total Organic Carbon (T.O.C.)	2.2	mg/L	M-COT-1.0	March 03, 2016
Chloride	61.0	mg/L	Sous-traitance\Multilab Direct	March 11, 2016
Chrome (Cr)	0.0013	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Copper (Cu)	<0.0005	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Hardness	114	mg CaCO3/L	Sous-traitance\Multilab Direct	March 07, 2016
Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Iron (Fe)	0.11	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Fluoride (F)	1.18	mg/L	Sous-traitance\Multilab Direct	March 11, 2016
Lithium (Li)	<0.005	mg/L	Sous-traitance\Multilab Direct	March 14, 2016
Total Suspended Solids	<1	mg/L	M-SOLI-1.0	March 03, 2016
Magnesium (Mg)	12.8	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Manganese (Mn)	0.0175	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Mercury (Hg)	0.00018	mg/L	Sous-traitance\Multilab Direct	March 08, 2016
Molybdenum (Mo)	0.0097	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Ammonia NH3 (non-ionized)	<0.01	mg N/L	Sous-traitance\Multilab Direct	March 08, 2016
Nickel (Ni)	0.0017	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Nitrate (NO3)	<0.01	mg N/L	Sous-traitance\Multilab Direct	March 03, 2016
Nitrite (NO2)	<0.01	mg N/L	Sous-traitance\Multilab Direct	March 04, 2016
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance\Multilab Direct	March 03, 2016
Total Phosphorus (P)	<0.01	mg P/L	Sous-traitance\Multilab Direct	March 04, 2016
Lead (Pb)	<0.0003	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Potassium (K)	0.77	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Selenium (Se)	0.002	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Reactive silica (SiO2)	5.4	mg/L	ous-traitance\Maxxam Analytics Inc	March 09, 2016
Sodium (Na)	28.6	mg/L	Sous-traitance\Multilab Direct	March 07, 2016

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Analytical Report

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter	Result		Method name	Analysis date
Strontium (Sr)	0.239	mg/L	Sous-traitance\Multilab Direct	March 14, 2016
Sulfate (SO4)	14.7	mg SO4/L	Sous-traitance\Multilab Direct	March 10, 2016
Thallium (Tl)	<0.002	mg/L	Sous-traitance\Multilab Direct	March 14, 2016
Uranium (U)	0.001	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Vanadium (V)	<0.0005	mg/L	Sous-traitance\Multilab Direct	March 07, 2016
Salinity	<1	ppm	M-TIT-1.0	March 02, 2016

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Detection limit

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO3/L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Ammonia nitrogen (NH3-NH4)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO3)	2	mg CaCO3/L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO3)	2	mg CaCO3/L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.(	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Detection limit

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter	Value	Unit	Method	Accreditation
Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Salinity	1	ppm	M-TIT-1.0	-

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter		
Alkalinity mg CaCO3/L	Standard name	STD alcalinité
	Result	142
	Accuracy	97.9%
	Limit	123 - 167
Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	0.969
	Accuracy	96.9%
	Limit	0.800 - 1.200
Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0096
	Accuracy	96%
	Limit	0.0080 - 0.0120
Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0009-2016-Ag
	Result	0.6359
	Accuracy	87.8%
	Limit	0.579 - 0.869
Arsenic (As) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0962
	Accuracy	96.2%
	Limit	0.0700 - 0.1300
Ammonia nitrogen (NH3-NH4) m	Blank	<0.01
	Standard name	DMR-0600-2015-NH3
	Result	4.03
	Accuracy	92.2%
	Limit	3.18 - 4.30
Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0903
	Accuracy	90.3%
	Limit	0.0800 - 0.1200
Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1003
	Accuracy	99.7%
	Limit	0.0800 - 0.1200
Boron (B) mg/L	Blank	<0.01

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter		
	Standard name	C00-046-705_X_1000
	Result	1.03
	Accuracy	97%
	Limit	0.800 - 1.200
Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	C00-046-705_X_1000
	Result	0.09396
	Accuracy	94%
	Limit	0.0800 - 0.1200
Calcium (Ca) mg/L	Blank	<0.03
	Standard name	C00-046-705_X_1000
	Result	0.91
	Accuracy	91%
	Limit	0.800 - 1.200
Dissolved Organic Carbon (D.O.(	Blank	<0.2
	Standard name	COD 10mg/L
	Result	9
	Accuracy	90%
	Limit	8 - 12
Total Organic Carbon (T.O.C.) m	Blank	<0.2
	Standard name	COT 10mg/L
	Result	9
	Accuracy	90%
	Limit	8 - 12
Chloride mg/L	Blank	<0.5
	Standard name	DMR-0064-2016-Cl
	Result	107
	Accuracy	99.1%
	Limit	95 - 121
Chrome (Cr) mg/L	Blank	<0.0006
	Standard name	C00-046-705_X_1000
	Result	0.0981
	Accuracy	98.1%
	Limit	0.0800 - 0.1200
Copper (Cu) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0970
	Accuracy	97%
	Limit	0.0800 - 0.1200
Tin (Sn) mg/L	Blank	<0.001

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Quality control Report

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.091
	Accuracy	91%
	Limit	0.0800 - 0.1200
Iron (Fe) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.01
	Accuracy	99%
	Limit	0.800 - 1.200
Lithium (Li) mg/L	Blank	<0.005
	Standard name	DMR-0009-2016-Eu
	Result	0.800
	Accuracy	94.6%
	Limit	0.677 - 1.015
Total Suspended Solids mg/L	Standard name	STD-MES 25mg/L
	Result	24
	Accuracy	96%
	Limit	19 - 31
Total Suspended Solids mg/L	Blank	<1
	Standard name	STD-MES 250mg/L
	Result	268
	Accuracy	92.8%
	Limit	194 - 306
Magnesium (Mg) mg/L	Blank	<0.02
	Standard name	C00-046-705_X_1000
	Result	1.06
	Accuracy	94%
	Limit	0.800 - 1.200
Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0919
	Accuracy	91.9%
	Limit	0.0800 - 0.1200
Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0009-2016-Eu
	Result	0.00044
	Accuracy	69.8%
	Limit	0.00038 - 0.00088
Molybdenum (Mo) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter		
	Result	0.0887
	Accuracy	88.7%
	Limit	0.0800 - 0.1200
Ammonia NH3 (non-ionized) mg	Blank	<0.01
Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0911
	Accuracy	91.1%
	Limit	0.0800 - 0.1200
Ortho-Phosphate (O-PO4) mg P/	Blank	<0.01
	Standard name	DMR-0064-2016-OPO4
	Result	0.67
	Accuracy	96.9%
	Limit	0.57 - 0.73
Total Phosphorus (P) mg P/L	Blank	<0.01
	Standard name	DMR-0600-2015-Ptotal
	Result	2.21
	Accuracy	89.5%
	Limit	1.76 - 2.24
Lead (Pb) mg/L	Blank	<0.0003
	Standard name	C00-046-705_X_1000
	Result	0.0927
	Accuracy	92.7%
	Limit	0.0800 - 0.1200
Potassium (K) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	0.85
	Accuracy	85%
	Limit	0.800 - 1.200
Selenium (Se) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.089
	Accuracy	89%
	Limit	0.0800 - 0.1200
Sodium (Na) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	1.06
	Accuracy	94%
	Limit	0.800 - 1.200
Strontium (Sr) mg/L	Blank	<0.005

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-51587

Sample name: PIT E3 - B7 | Sampling date: March 01, 2016

Sampling location: PIT E | Sampling hour: 08:15

Parameter		
	Standard name	DMR-0009-2016-Eu
	Result	1.28
	Accuracy	100%
	Limit	1.02 - 1.54
Thallium (Tl) mg/L	Blank	<0.002
	Standard name	Tl-S140909023-1000ppm
	Result	976
	Accuracy	97.6%
	Limit	800 - 1200
Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.100
	Accuracy	100%
	Limit	0.0800 - 0.1200
Vanadium (V) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0935
	Accuracy	93.5%
	Limit	0.0800 - 0.1200

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Additional information

Lab number: V-51587

Sample name: PIT E3 - B7
Sampling location: PIT E
Sampling date: March 01, 2016
Sampling hour: 08:15

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-55409

Sampling location: Pit E3
Sampling date: July 03, 2016

Sample name: GW
Sampling hour: 14:20

Sampled by: Jamie Kataluk
Date received: July 05, 2016

Matrix: Water

Drinking water distribution:

Reported on: July 27, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-55409

Sample name: GW — Sampling date: July 03, 2016

Sampling location: Pit E3 — Sampling hour: 14:20

Parameter	Result		Method name	Analysis date
Alkalinity	74	mg CaCO3/L	M-TIT-1.0	July 05, 2016
Aluminium (Al)	0.218	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Aluminium (Al)	<0.006	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Antimony (Sb)	0.0007	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Antimony (Sb)	0.0007	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Arsenic (As)	0.0118	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Arsenic (As)	0.0082	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Ammonia nitrogen (NH3-NH4)	2.2	mg N/L	Sous-traitance\Multilab Direct	July 12, 2016
Kjeldahl nitrogen	3.78	mg N/L	Sous-traitance\Multilab Direct	July 22, 2016
Barium (Ba)	0.0154	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Barium (Ba)	0.0161	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
bicarbonate (HCO3)	74	mg CaCO3/L	M-TIT-1.0	July 05, 2016
Boron (B)	0.03	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Boron (B)	0.03	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Cadmium (Cd)	0.00007	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Cadmium (Cd)	<0.00002	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Calcium (Ca)	29.1	mg/L	Sous-traitance\Multilab Direct	July 18, 2016
Carbonate (CO3)	<2	mg CaCO3/L	M-TIT-1.0	July 05, 2016
Dissolved Organic Carbon (D.O.(	4.4	mg/L	M-COT-1.0	July 05, 2016
Total Organic Carbon (T.O.C.)	4.4	mg/L	M-COT-1.0	July 05, 2016
Chloride	8.4	mg/L	Sous-traitance\Multilab Direct	July 14, 2016
Chrome (Cr)	0.0020	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Chromium (Cr)	<0.0006	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Copper (Cu)	<0.0005	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Copper (Cu)	<0.0005	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Cyanide W.A.D.	0.018	mg/L	Sous-traitance\Multilab Direct	July 26, 2016
Total Cyanide (CNt)	0.031	mg/L	Sous-traitance\Multilab Direct	July 08, 2016
Hardness	129	mg CaCO3/L	Sous-traitance\Multilab Direct	July 18, 2016
Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Iron (Fe)	0.61	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Iron (Fe)	0.04	mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Fluoride (F)	0.91	mg/L	Sous-traitance\Multilab Direct	July 07, 2016
Lithium (Li)	<0.005	mg/L	Sous-traitance\Multilab Direct	July 18, 2016
Dissolved Lithium (Li)	<0.005	mg/L	Sous-traitance\Multilab Direct	July 18, 2016
Total Suspended Solids	10	mg/L	M-SOLI-1.0	July 06, 2016

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-55409

Sample name: GW
Sampling location: Pit E3

Sampling date: July 03, 2016
Sampling hour: 14:20

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	13.9 mg/L	Sous-traitance\Multilab Direct	July 18, 2016
Manganese (Mn)	0.0945 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Manganese (Mn)	0.0882 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Molybdenum (Mo)	0.0254 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Molybdenum (Mo)	0.026 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Ammonia NH3 (non-ionized)	0.06 mg N/L	Sous-traitance\Multilab Direct	July 12, 2016
Nickel (Ni)	0.0345 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Nickel (Ni)	0.0311 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Nitrate (NO3)	4.67 mg N/L	Sous-traitance\Multilab Direct	July 08, 2016
Nitrite (NO2)	0.3 mg N/L	Sous-traitance\Multilab Direct	July 06, 2016
Ortho-Phosphate (O-PO4)	0.01 mg P/L	Sous-traitance\Multilab Direct	July 05, 2016
Total Phosphorus (P)	0.14 mg P/L	Sous-traitance\Multilab Direct	July 06, 2016
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Potassium (K)	6.24 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Selenium (Se)	0.001 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Reactive silica (SiO2)	7.0 mg/L	Sous-traitance\Maxxam	July 07, 2016
Sodium (Na)	16.7 mg/L	Sous-traitance\Multilab Direct	July 18, 2016
Dissolved Solids	271 mg/L	M-TIT-1.0	July 05, 2016
Strontium (Sr)	0.239 mg/L	Sous-traitance\Multilab Direct	July 18, 2016
dissolved Strontium (Sr)	0.188 mg/L	Sous-traitance\Multilab Direct	July 18, 2016
Sulfate (SO4)	89.0 mg SO4/L	Sous-traitance\Multilab Direct	July 18, 2016
Thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	July 18, 2016
Dissolved thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	July 18, 2016
Titanium (Ti)	0.02 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Uranium (U)	0.003 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Uranium (U)	0.003 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Zinc (Zn)	<0.001 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	July 15, 2016
Salinity	<1 ppm	M-TIT-1.0	July 05, 2016

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Detection limit

Lab number: V-55409

Sample name: GW — Sampling date: July 03, 2016

Sampling location: Pit E3 — Sampling hour: 14:20

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO3/L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance	
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Dissolved Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO3)	2	mg CaCO3/L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Dissolved Boron (B)	0.01	mg/L	Sous-traitance	
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO3)	2	mg CaCO3/L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.(	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006	mg/L	Sous-traitance	
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Cyanide W.A.D.	0.005	mg/L	Sous-traitance	Yes
Total Cyanide (CNt)	0.001	mg/L	Sous-traitance	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Tin (Sn)	0.001	mg/L	Sous-traitance	
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Detection limit

Lab number: V-55409

Sample name: GW
Sampling location: Pit E3
Sampling date: July 03, 2016
Sampling hour: 14:20

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.0008	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.0008	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Salinity	1	ppm	M-TIT-1.0	-

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-55409
Sample name: GW
Sampling location: Pit E3
Sampling date: July 03, 2016
Sampling hour: 14:20

Parameter		
Alkalinity mg CaCO3/L	Standard name	STD alcalinité
	Result	145
	Accuracy	100%
	Limit	123 - 167
Ammonia nitrogen (NH3-NH4) m	Blank	<0.01
	Standard name	DMR-0310-2016-NH3
	Result	2.20
	Accuracy	87.2%
	Limit	1.66 - 2.24
Kjeldahl nitrogen mg N/L	Blank	<0.05
	Standard name	DMR-0370-2016-NTK
	Result	5.47
	Accuracy	96.6%
	Limit	4.50 - 6.08
Dissolved Organic Carbon (D.O.(	Blank	0.2
	Standard name	COD 10mg/L
	Result	11
	Accuracy	90%
	Limit	8 - 12
Total Organic Carbon (T.O.C.) m	Blank	0.2
	Standard name	COT 10mg/L
	Result	11
	Accuracy	90%
	Limit	8 - 12
Cyanide W.A.D. mg/L	Blank	<0.005
	Standard name	Dmr-0310-Cn
	Result	0.120
	Accuracy	96.8%
	Limit	0.105 - 0.143
Total Cyanide (CNt) mg/L	Blank	<0.005
	Standard name	Dmr-0310-Cn
	Result	0.229
	Accuracy	95%
	Limit	0.205 - 0.277
Fluoride (F) mg/L	Blank	<0.02
	Standard name	DMR-0310-2016-F
	Result	1.21
	Accuracy	96.6%
	Limit	1.08 - 1.26
Total Suspended Solids mg/L	Blank	<1

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-55409

Sample name: GW
Sampling location: Pit E3
Sampling date: July 03, 2016
Sampling hour: 14:20

Parameter		
	Standard name	STD-MES 25mg/L
	Result	30
	Accuracy	80%
	Limit	19 - 31
Ammonia NH3 (non-ionized) mg	Blank	<0.01
Nitrate (NO3) mg N/L	Blank	<0.01
Nitrite (NO2) mg N/L	Blank	<0.01
	Standard name	DMR-0310-2016-NO2
	Result	2.10
	Accuracy	96%
	Limit	1.72 - 2.32
Total Phosphorus (P) mg P/L	Blank	<0.01
	Standard name	DMR-0310-2016-Ptotal
	Result	1.11
	Accuracy	96.3%
	Limit	0.94 - 1.20
Dissolved Solids mg/L		

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Additional information

Lab number: V-55409
Sample name: GW
Sampling location: Pit E3
Sampling date: July 03, 2016
Sampling hour: 14:20

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-57336

Sampling location:	Pit E	Sampling date:	August 18, 2016
Sample name:	Groundwater Pit E	Sampling hour:	08:30
Sampled by:	Martin Theriault	Date received:	August 19, 2016
Matrix:	Water		

Reported on: September 12, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Analytical Report

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling date: August 18, 2016
Sampling location: Pit E
Sampling hour: 08:30

Parameter	Result	Method name	Analysis date
Alkalinity	78 mg CaCO3/L	M-TIT-1.0	August 19, 2016
Aluminium (Al)	0.157 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Antimony (Sb)	0.0002 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Antimony (Sb)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Arsenic (As)	0.0175 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Arsenic (As)	0.0076 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Ammonia nitrogen (NH3-NH4)	0.37 mg N/L	Sous-traitance\Multilab Direct	August 22, 2016
Kjeldahl nitrogen	0.34 mg N/L	Sous-traitance\Multilab Direct	September 08, 2016
Barium (Ba)	0.0063 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Barium (Ba)	0.0048 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
bicarbonate (HCO3)	78 mg CaCO3/L	M-TIT-1.0	August 19, 2016
Boron (B)	0.09 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Boron (B)	0.08 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Cadmium (Cd)	0.00002 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Cadmium (Cd)	<0.00002 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Calcium (Ca)	21.0 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Carbonate (CO3)	<2 mg CaCO3/L	M-TIT-1.0	August 19, 2016
Dissolved Organic Carbon (D.O.C.)	0.3 mg/L	M-COT-1.0	August 19, 2016
Total Organic Carbon (T.O.C.)	1.9 mg/L	M-COT-1.0	August 19, 2016
Chloride	8.8 mg/L	Sous-traitance\Multilab Direct	September 08, 2016
Chrome (Cr)	0.0015 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Chromium (Cr)	<0.0006 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Copper (Cu)	0.0006 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	August 23, 2016
Total Cyanide (CNt)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 23, 2016
Hardness	96 mg CaCO3/L	Sous-traitance\Multilab Direct	August 26, 2016
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Iron (Fe)	0.32 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Fluoride (F)	1.09 mg/L	Sous-traitance\Multilab Direct	August 25, 2016
Lithium (Li)	0.031 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Total Suspended Solids	19 mg/L	M-SOLI-1.0	August 22, 2016

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Analytical Report

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling location: Pit E
Sampling date: August 18, 2016
Sampling hour: 08:30

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	10.7 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Manganese (Mn)	0.0681 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Manganese (Mn)	0.0594 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Mercury (Hg)	0.00018 mg/L	Sous-traitance\Multilab Direct	August 25, 2016
Dissolved Mercury (Hg)	0.00019 mg/L	Sous-traitance\Multilab Direct	August 25, 2016
Molybdenum (Mo)	0.0119 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Molybdenum (Mo)	0.0117 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Ammonia NH3 (non-ionized)	0.01 mg N/L	Sous-traitance\Multilab Direct	August 22, 2016
Nickel (Ni)	0.0269 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Nickel (Ni)	0.0259 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Nitrate (NO3)	0.16 mg N/L	Sous-traitance\Multilab Direct	August 25, 2016
Nitrite (NO2)	0.02 mg N/L	Sous-traitance\Multilab Direct	August 25, 2016
Ortho-Phosphate (O-PO4)	0.01 mg P/L	Sous-traitance\Multilab Direct	August 25, 2016
Total Phosphorus (P)	0.02 mg P/L	Sous-traitance\Multilab Direct	August 31, 2016
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Potassium (K)	2.17 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Salinity	<1 ppm	M-TIT-1.0	August 19, 2016
Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Sodium (Na)	17.0 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Solids	180 mg/L	M-TIT-1.0	August 19, 2016
Strontium (Sr)	0.144 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
dissolved Strontium (Sr)	0.138 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Sulfate (SO4)	45.1 mg SO4/L	Sous-traitance\Multilab Direct	August 29, 2016
Thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Uranium (U)	0.001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Uranium (U)	0.001 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Vanadium (V)	0.0023 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Zinc (Zn)	0.120 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Dissolved Zinc	0.098 mg/L	Sous-traitance\Multilab Direct	August 26, 2016
Reactive silica (SiO2)	7.7 mg/L	Sous-traitance\Maxxam	August 24, 2016

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Detection limit

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling date: August 18, 2016
Sampling location: Pit E
Sampling hour: 08:30

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO3/L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance	
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Dissolved Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO3)	2	mg CaCO3/L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Dissolved Boron (B)	0.01	mg/L	Sous-traitance	
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO3)	2	mg CaCO3/L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006	mg/L	Sous-traitance	
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Cyanide W.A.D.	0.001	mg/L	Sous-traitance	Yes
Total Cyanide (CNt)	0.001	mg/L	Sous-traitance	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Tin (Sn)	0.001	mg/L	Sous-traitance	
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Multilab DIRECT

Detection limit

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling date: August 18, 2016
Sampling location: Pit E
Sampling hour: 08:30

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Salinity	1	ppm	M-TIT-1.0	-
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.0008	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.0008	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)	0.1	mg/L	Sous-traitance	

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling date: August 18, 2016
Sampling location: Pit E
Sampling hour: 08:30

Parameter		
Alkalinity mg CaCO3/L	Standard name	STD alcalinité
	Result	150
	Accuracy	96.6%
	Limit	123 - 167
Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	1.16
	Accuracy	84%
	Limit	0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank	<0.006
	Standard name	DMR-0234-2016-Eu
	Result	6.44
	Accuracy	98.9%
	Limit	5.10 - 7.64
Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0116
	Accuracy	84%
	Limit	0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	DMR-0234-2016-Eu
	Result	0.2154
	Accuracy	97%
	Limit	0.178 - 0.266
Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0009-2016-Ag-1
	Result	0.6778
	Accuracy	93.6%
	Limit	0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0009-2016-Ag-1
	Result	0.6907
	Accuracy	95.4%
	Limit	0.579 - 0.869
Arsenic (As) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0816
	Accuracy	81.6%
	Limit	0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank	<0.0005

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-57336

Sample name: Groundwater Pit E — Sampling date: August 18, 2016

Sampling location: Pit E — Sampling hour: 08:30

Parameter		
	Standard name	DMR-0234-2016-Eu
	Result	0.2660
	Accuracy	94%
	Limit	0.226 - 0.340
Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0921
	Accuracy	92.1%
	Limit	0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank	<0.0005
	Standard name	DMR-0234-2016-Eu
	Result	2.319
	Accuracy	95.4%
	Limit	1.94 - 2.92
Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0967
	Accuracy	96.7%
	Limit	0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	DMR-0234-2016-Eu
	Result	1.720
	Accuracy	98.8%
	Limit	1.36 - 2.04
Boron (B) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.11
	Accuracy	89%
	Limit	0.800 - 1.200
Dissolved Boron (B) mg/L	Blank	<0.01
	Standard name	DMR-0234-2016-Eu
	Result	3.50
	Accuracy	81.4%
	Limit	2.36 - 3.54
Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	C00-046-705_X_1000
	Result	0.09103
	Accuracy	91%
	Limit	0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank	<0.00002

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling location: Pit E
Sampling date: August 18, 2016
Sampling hour: 08:30

Parameter		
	Standard name	DMR-0234-2016-Eu
	Result	0.85988
	Accuracy	95.5%
	Limit	0.720 - 1.080
Calcium (Ca) mg/L	Blank	<0.03
	Standard name	C00-046-705_X_1000
	Result	0.98
	Accuracy	98%
	Limit	0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank	<0.2
	Standard name	COD 10mg/L
	Result	9
	Accuracy	90%
	Limit	8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank	<0.2
	Standard name	COT 10mg/L
	Result	9
	Accuracy	90%
	Limit	8 - 12
Chrome (Cr) mg/L	Blank	<0.0006
	Standard name	C00-046-705_X_1000
	Result	0.0913
	Accuracy	91.3%
	Limit	0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank	<0.0006
	Standard name	DMR-0234-2016-Eu
	Result	4.194
	Accuracy	96.4%
	Limit	3.24 - 4.86
Copper (Cu) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0910
	Accuracy	91%
	Limit	0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank	<0.0005
	Standard name	DMR-0234-2016-Eu
	Result	1.250
	Accuracy	95.4%
	Limit	1.05 - 1.57
Tin (Sn) mg/L	Blank	<0.001

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling date: August 18, 2016
Sampling location: Pit E
Sampling hour: 08:30

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.088
	Accuracy	88%
	Limit	0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank	<0.001
Iron (Fe) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.07
	Accuracy	93%
	Limit	0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank	<0.01
	Standard name	DMR-0234-2016-Eu
	Result	16.4
	Accuracy	85.3%
	Limit	11.4 - 17.2
Fluoride (F) mg/L	Blank	<0.02
	Standard name	DMR-0426-2016-F
	Result	1.17
	Accuracy	100%
	Limit	1.08 - 1.26
Total Suspended Solids mg/L	Blank	<1
	Standard name	STD-MES 25mg/L
	Result	21
	Accuracy	84%
	Limit	19 - 31
Magnesium (Mg) mg/L	Blank	<0.02
	Standard name	C00-046-705_X_1000
	Result	1.12
	Accuracy	88%
	Limit	0.800 - 1.200
Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0880
	Accuracy	88%
	Limit	0.0800 - 0.1200
Dissolved Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	DMR-0234-2016-Eu
	Result	3.797
	Accuracy	97.6%
	Limit	3.11 - 4.67

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling date: August 18, 2016
Sampling location: Pit E
Sampling hour: 08:30

Parameter		
Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0426-2016-HgEu
	Result	0.00050
	Accuracy	75.8%
	Limit	0.00040 - 0.00092
Dissolved Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0426-2016-HgEu
	Result	0.00054
	Accuracy	81.8%
	Limit	0.00040 - 0.00092
Molybdenum (Mo) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0816
	Accuracy	81.6%
	Limit	0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg/L	Blank	<0.0005
	Standard name	DMR-0234-2016-Eu
	Result	0.5890
	Accuracy	83.2%
	Limit	0.566 - 0.850
Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0896
	Accuracy	89.6%
	Limit	0.0800 - 0.1200
Dissolved Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	DMR-0234-2016-Eu
	Result	1.055
	Accuracy	93.4%
	Limit	0.90 - 1.36
Nitrate (NO3) mg N/L	Blank	<0.01
Nitrite (NO2) mg N/L	Blank	<0.01
	Standard name	DMR-0426-2016-NO2
	Result	1.74
	Accuracy	86.1%
	Limit	1.72 - 2.32
Ortho-Phosphate (O-PO4) mg P/L	Blank	<0.01
	Standard name	DMR-0426-2016-OPO4
	Result	0.65
	Accuracy	100%

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling date: August 18, 2016
Sampling location: Pit E
Sampling hour: 08:30

Parameter		
	Limit	0.57 - 0.73
Total Phosphorus (P) mg P/L	Blank	<0.01
	Standard name	DMR-0426-2016-Ptotal
	Result	1.02
	Accuracy	95.3%
	Limit	0.94 - 1.20
Lead (Pb) mg/L	Blank	<0.0003
	Standard name	C00-046-705_X_1000
	Result	0.0842
	Accuracy	84.2%
	Limit	0.0800 - 0.1200
Dissolved Lead (Pb) mg/L	Blank	<0.0003
	Standard name	DMR-0234-2016-Eu
	Result	0.7926
	Accuracy	87.2%
	Limit	0.727 - 1.091
Potassium (K) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	0.82
	Accuracy	82%
	Limit	0.800 - 1.200
Selenium (Se) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.092
	Accuracy	92%
	Limit	0.0800 - 0.1200
Dissolved Selenium (Se) mg/L	Blank	<0.001
	Standard name	DMR-0234-2016-Eu
	Result	1.32
	Accuracy	97.8%
	Limit	1.08 - 1.62
Sodium (Na) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	0.96
	Accuracy	96%
	Limit	0.800 - 1.200
Titanium (Ti) mg/L	Blank	<0.01
Dissolved titanium (Ti) mg/L	Blank	<0.01
Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Quality control Report

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling date: August 18, 2016
Sampling location: Pit E
Sampling hour: 08:30

Parameter		
Dissolved Uranium (U) mg/L	Result	0.092
	Accuracy	92%
	Limit	0.0800 - 0.1200
	Blank	<0.001
	Standard name	DMR-0234-2016-Eu
Vanadium (V) mg/L	Result	1.61
	Accuracy	91.5%
	Limit	1.41 - 2.11
	Blank	<0.0005
	Standard name	C00-046-705_X_1000
Dissolved Vanadium mg/L	Result	0.0854
	Accuracy	85.4%
	Limit	0.0800 - 0.1200
	Blank	<0.0005
	Standard name	DMR-0234-2016-Eu
Zinc (Zn) mg/L	Result	1.948
	Accuracy	97.9%
	Limit	1.59 - 2.39
	Blank	<0.001
	Standard name	C00-046-705_X_1000
Dissolved Zinc mg/L	Result	0.088
	Accuracy	88%
	Limit	0.0800 - 0.1200
	Blank	<0.001
	Standard name	DMR-0234-2016-Eu
	Result	4.33
	Accuracy	90.6%
	Limit	3.82 - 5.74

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Additional information

Lab number: V-57336

Sample name: Groundwater Pit E
Sampling location: Pit E
Sampling date: August 18, 2016
Sampling hour: 08:30

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

125, boul Industriel
Rouyn-Noranda (Québec)
J9X 6P2
Tél: (819) 797-0550
Fax:(819) 797-2155
Courriel:
multilab@cablevision.qc.ca

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-58455

Sampling location:	GW MW-08 02 East dike	Sampling date:	September 19, 2016
Sample name:	GW MW-08 02	Sampling hour:	08:00
Sampled by:	Patrick Ahern, Martin Therriault	Date received:	September 21, 2016
Matrix:	Water		

Drinking water distribution:

Reported on: October 11, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter	Result	Method name	Analysis date
Alkalinity	107 mg CaCO3/L	M-TIT-1.0	September 21, 2016
Aluminium (Al)	0.075 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Antimony (Sb)	0.0003 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Antimony (Sb)	0.0003 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Ammonia nitrogen (NH3-NH4)	0.44 mg N/L	Sous-traitance\Multilab Direct	September 29, 2016
Kjeldahl nitrogen	1.18 mg N/L	Sous-traitance\Multilab Direct	October 06, 2016
Barium (Ba)	0.0337 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Barium (Ba)	0.0324 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
bicarbonate (HCO3)	107 mg CaCO3/L	M-TIT-1.0	September 21, 2016
Boron (B)	0.09 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Boron (B)	0.08 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Cadmium (Cd)	<0.00002 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Cadmium (Cd)	0.00002 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Calcium (Ca)	56.0 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Carbonate (CO3)	<2 mg CaCO3/L	M-TIT-1.0	September 21, 2016
Dissolved Organic Carbon (D.O.(	106 mg/L	M-COT-1.0	September 21, 2016
Total Organic Carbon (T.O.C.)	106 mg/L	M-COT-1.0	September 21, 2016
Chloride	103 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Chrome (Cr)	0.0058 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Chromium (Cr)	0.0051 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Copper (Cu)	0.0028 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Copper (Cu)	0.0005 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Cyanide W.A.D.	<0.001 mg/L	Sous-traitance\Multilab Direct	September 23, 2016
Total Cyanide (CNt)	<0.001 mg/L	Sous-traitance\Multilab Direct	September 23, 2016
Hardness	251 mg CaCO3/L	Sous-traitance\Multilab Direct	September 24, 2016
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Iron (Fe)	2.99 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Fluoride (F)	0.49 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Lithium (Li)	0.011 mg/L	Sous-traitance\Multilab Direct	September 30, 2016
Dissolved Lithium (Li)	0.007 mg/L	Sous-traitance\Multilab Direct	September 30, 2016
Total Suspended Solids	20 mg/L	M-SOLI-1.0	September 22, 2016

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	27.1 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Manganese (Mn)	0.1486 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Manganese (Mn)	0.1417 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Mercury (Hg)	0.00015 mg/L	Sous-traitance\Multilab Direct	September 29, 2016
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	September 29, 2016
Molybdenum (Mo)	0.0481 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Molybdenum (Mo)	0.0432 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	September 29, 2016
Nickel (Ni)	0.0041 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Nickel (Ni)	0.0037 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Nitrate (NO3)	0.02 mg N/L	Sous-traitance\Multilab Direct	September 23, 2016
Nitrite (NO2)	0.04 mg N/L	Sous-traitance\Multilab Direct	September 23, 2016
Ortho-Phosphate (O-PO4)	0.04 mg P/L	Sous-traitance\Multilab Direct	September 22, 2016
Total Phosphorus (P)	0.02 mg P/L	Sous-traitance\Multilab Direct	September 27, 2016
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Potassium (K)	5.78 mg/L	Sous-traitance\Multilab Direct	September 27, 2016
Selenium (Se)	0.004 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Selenium (Se)	0.001 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Reactive silica (SiO2)	2.3 mg/L	Sous-traitance\Maxxam	September 26, 2016
Sodium (Na)	28.4 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Solids	440 mg/L	M-TIT-1.0	September 21, 2016
Strontium (Sr)	0.683 mg/L	Sous-traitance\Multilab Direct	September 30, 2016
dissolved Strontium (Sr)	0.532 mg/L	Sous-traitance\Multilab Direct	September 30, 2016
Sulfate (SO4)	11.6 mg SO4/L	Sous-traitance\Multilab Direct	October 08, 2016
Thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	September 30, 2016
Dissolved thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	September 30, 2016
Titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Uranium (U)	0.002 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Uranium (U)	0.001 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Zinc (Zn)	0.027 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	September 24, 2016
Salinity	<1 ppm	M-TIT-1.0	September 21, 2016

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Detection limit

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO3/L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance	
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Dissolved Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO3)	2	mg CaCO3/L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Dissolved Boron (B)	0.01	mg/L	Sous-traitance	
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO3)	2	mg CaCO3/L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.(	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006	mg/L	Sous-traitance	
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Cyanide W.A.D.	0.001	mg/L	Sous-traitance	Yes
Total Cyanide (CNt)	0.001	mg/L	Sous-traitance	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Tin (Sn)	0.001	mg/L	Sous-traitance	
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Detection limit

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.0008	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.0008	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Salinity	1	ppm	M-TIT-1.0	-

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter		
Alkalinity mg CaCO3/L	Standard name	STD alcalinité
	Result	142
	Accuracy	97.9%
	Limit	123 - 167
Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	1.04
	Accuracy	96%
	Limit	0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	1.06
	Accuracy	94%
	Limit	0.800 - 1.200
Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0115
	Accuracy	85%
	Limit	0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0099
	Accuracy	99%
	Limit	0.0080 - 0.0120
Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0175-2016-Ag
	Result	0.6663
	Accuracy	92%
	Limit	0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0175-2016-Ag
	Result	0.7062
	Accuracy	97.5%
	Limit	0.579 - 0.869
Arsenic (As) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0826
	Accuracy	82.6%
	Limit	0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank	<0.0005

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.1086
	Accuracy	91.4%
	Limit	0.0800 - 0.1200
Ammonia nitrogen (NH3-NH4) m	Blank	<0.01
	Standard name	DMR-0479-2016-NH3
	Result	2.09
	Accuracy	92.8%
	Limit	1.66 - 2.24
Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1002
	Accuracy	99.8%
	Limit	0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0969
	Accuracy	96.9%
	Limit	0.0800 - 0.1200
Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1130
	Accuracy	87%
	Limit	0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1099
	Accuracy	90.1%
	Limit	0.0800 - 0.1200
Boron (B) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	0.93
	Accuracy	93%
	Limit	0.800 - 1.200
Dissolved Boron (B) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	0.94
	Accuracy	94%
	Limit	0.800 - 1.200
Cadmium (Cd) mg/L	Blank	<0.00002

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-58455

Sample name: GW MW-08 02 — Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike — Sampling hour: 08:00

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.08802
	Accuracy	88%
	Limit	0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	C00-046-705_X_1000
	Result	0.08861
	Accuracy	88.6%
	Limit	0.0800 - 0.1200
Calcium (Ca) mg/L	Blank	<0.03
	Standard name	C00-046-705_X_1000
	Result	0.96
	Accuracy	96%
	Limit	0.800 - 1.200
Dissolved Organic Carbon (D.O.(	Blank	<0.2
	Standard name	COD 10mg/L
	Result	8
	Accuracy	80%
	Limit	8 - 12
Total Organic Carbon (T.O.C.) m	Blank	<0.2
	Standard name	COT 10mg/L
	Result	8
	Accuracy	80%
	Limit	8 - 12
Chloride mg/L	Blank	<0.5
	Standard name	DMR-0479-2016-Cl
	Result	105
	Accuracy	95.5%
	Limit	97 - 123
Chrome (Cr) mg/L	Blank	<0.0006
	Standard name	C00-046-705_X_1000
	Result	0.0805
	Accuracy	80.5%
	Limit	0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank	<0.0006
	Standard name	C00-046-705_X_1000
	Result	0.1084
	Accuracy	91.6%
	Limit	0.0800 - 0.1200
Copper (Cu) mg/L	Blank	<0.0005

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-58455

Sample name: GW MW-08 02 Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike Sampling hour: 08:00

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.0858
	Accuracy	85.8%
	Limit	0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0856
	Accuracy	85.6%
	Limit	0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank	<0.001
	Standard name	Dmr-0479-Cn
	Result	0.117
	Accuracy	94.4%
	Limit	0.105 - 0.143
Total Cyanide (CNt) mg/L	Blank	<0.001
	Standard name	Dmr-0479-Cn
	Result	0.234
	Accuracy	97.1%
	Limit	0.205 - 0.277
Hardness mg CaCO3/L	Blank	<1
Tin (Sn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.095
	Accuracy	95%
	Limit	0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.092
	Accuracy	92%
	Limit	0.0700 - 0.1300
Iron (Fe) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.14
	Accuracy	86%
	Limit	0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.11
	Accuracy	89%
	Limit	0.800 - 1.200

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter		
Lithium (Li) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	0.731
	Accuracy	86.4%
	Limit	0.677 - 1.015
Dissolved Lithium (Li) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	0.738
	Accuracy	87.2%
	Limit	0.677 - 1.015
Total Suspended Solids mg/L	Blank	<1
	Standard name	STD-MES 25mg/L
	Result	26
	Accuracy	96%
	Limit	19 - 31
Magnesium (Mg) mg/L	Blank	<0.02
	Standard name	C00-046-705_X_1000
	Result	0.94
	Accuracy	94%
	Limit	0.800 - 1.200
Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1009
	Accuracy	99.1%
	Limit	0.0800 - 0.1200
Dissolved Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1035
	Accuracy	96.5%
	Limit	0.0800 - 0.1200
Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0479-2016-HgEu
	Result	0.00067
	Accuracy	98.5%
	Limit	0.00040 - 0.00092
Dissolved Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0479-2016-HgEu
	Result	0.00059
	Accuracy	89.4%
	Limit	0.00040 - 0.00092

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-58455

Sample name: GW MW-08 02 — Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike — Sampling hour: 08:00

Parameter		
Molybdenum (Mo) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0884
	Accuracy	88.4%
	Limit	0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg/	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0891
	Accuracy	89.1%
	Limit	0.0800 - 0.1200
Ammonia NH3 (non-ionized) mg	Blank	<0.01
Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0818
	Accuracy	81.8%
	Limit	0.0800 - 0.1200
Dissolved Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0814
	Accuracy	81.4%
	Limit	0.0800 - 0.1200
Nitrate (NO3) mg N/L	Blank	<0.01
Nitrite (NO2) mg N/L	Blank	<0.01
	Standard name	DMR-0479-2016-NO2
	Result	2.00
	Accuracy	99%
	Limit	1.72 - 2.32
Total Phosphorus (P) mg P/L	Blank	<0.01
	Standard name	DMR-0479-2016-Ptotal
	Result	1.05
	Accuracy	98.1%
	Limit	0.94 - 1.20
Lead (Pb) mg/L	Blank	<0.0003
	Standard name	C00-046-705_X_1000
	Result	0.0940
	Accuracy	94%
	Limit	0.0800 - 0.1200
Dissolved Lead (Pb) mg/L	Blank	<0.0003
	Standard name	C00-046-705_X_1000
	Result	0.1019

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter		
Potassium (K) mg/L	Accuracy	98.1%
	Limit	0.0800 - 0.1200
	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	0.84
Selenium (Se) mg/L	Accuracy	84%
	Limit	0.800 - 1.200
	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.095
Dissolved Selenium (Se) mg/L	Accuracy	95%
	Limit	0.0800 - 0.1200
	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.097
Sodium (Na) mg/L	Accuracy	97%
	Limit	0.0800 - 0.1200
	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	0.95
Strontium (Sr) mg/L	Accuracy	95%
	Limit	0.800 - 1.200
	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	1.29
dissolved Strontium (Sr) mg/L	Accuracy	99.2%
	Limit	1.02 - 1.54
	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	1.25
Thallium (Tl) mg/L	Accuracy	97.7%
	Limit	1.02 - 1.54
	Blank	<0.0008
	Standard name	Tl-S140909023-1000ppm
	Result	871
Dissolved thallium (Tl) mg/L	Accuracy	87.1%
	Limit	800 - 1200
	Blank	<0.0008
	Standard name	Tl-S140909023-1000ppm
	Result	1083

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-58455

Sample name: GW MW-08 02 | Sampling date: September 19, 2016

Sampling location: GW MW-08 02 East dike | Sampling hour: 08:00

Parameter		
	Accuracy	91.7%
	Limit	800 - 1200
Titanium (Ti) mg/L	Blank	<0.01
Dissolved titanium (Ti) mg/L	Blank	<0.01
Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.101
	Accuracy	99%
	Limit	0.0800 - 0.1200
Dissolved Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.102
	Accuracy	98%
	Limit	0.0800 - 0.1200
Vanadium (V) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0812
	Accuracy	81.2%
	Limit	0.0800 - 0.1200
Dissolved Vanadium mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0981
	Accuracy	98.1%
	Limit	0.0800 - 0.1200
Zinc (Zn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.080
	Accuracy	80%
	Limit	0.0800 - 0.1200
Dissolved Zinc mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.080
	Accuracy	80%
	Limit	0.0800 - 0.1200

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Additional information

Lab number: V-58455

Sample name: GW MW-08 02
Sampling location: GW MW-08 02 East dike
Sampling date: September 19, 2016
Sampling hour: 08:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-59959

Sampling location: Pit A
Sampling date: October 21, 2016

Sample name: GW- Pit A
Sampling hour: 04:30

Sampled by: Fanny Laporte
Date received: October 25, 2016

Matrix: Water

Drinking water distribution:

Reported on: November 14, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter	Result		Method name	Analysis date
Alkalinity	126	mg CaCO3/L	M-TIT-1.0	October 25, 2016
Aluminium (Al)	0.089	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Antimony (Sb)	0.0031	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Antimony (Sb)	0.002	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Arsenic (As)	<0.0005	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Arsenic (As)	<0.0005	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Ammonia nitrogen (NH3-NH4)	2.83	mg N/L	Sous-traitance\Multilab Direct	October 28, 2016
Kjeldahl nitrogen	1.67	mg N/L	Sous-traitance\Multilab Direct	November 11, 2016
Barium (Ba)	0.0276	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Barium (Ba)	0.0165	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
bicarbonate (HCO3)	126	mg CaCO3/L	M-TIT-1.0	October 25, 2016
Boron (B)	0.06	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Boron (B)	0.06	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Cadmium (Cd)	0.00078	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Cadmium (Cd)	0.00066	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Calcium (Ca)	113	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Carbonate (CO3)	<2	mg CaCO3/L	M-TIT-1.0	October 25, 2016
Dissolved Organic Carbon (D.O.(	1.4	mg/L	M-COT-1.0	October 25, 2016
Total Organic Carbon (T.O.C.)	4.2	mg/L	M-COT-1.0	October 25, 2016
Chloride	35.0	mg/L	Sous-traitance\Multilab Direct	October 27, 2016
Chrome (Cr)	0.0014	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Chromium (Cr)	0.0012	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Copper (Cu)	0.0011	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Copper (Cu)	0.0013	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Cyanide W.A.D.	0.042	mg/L	Sous-traitance\Multilab Direct	October 26, 2016
Total Cyanide (CNt)	0.153	mg/L	Sous-traitance\Multilab Direct	October 26, 2016
Hardness	572	mg CaCO3/L	Sous-traitance\Multilab Direct	October 28, 2016
Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Iron (Fe)	0.28	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Iron (Fe)	0.08	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Fluoride (F)	0.25	mg/L	Sous-traitance\Multilab Direct	November 01, 2016
Lithium (Li)	<0.005	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Lithium (Li)	<0.005	mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Total Suspended Solids	8	mg/L	M-SOLI-1.0	October 26, 2016

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	70.4 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Manganese (Mn)	0.2181 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Manganese (Mn)	0.2173 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Mercury (Hg)	0.00002 mg/L	Sous-traitance\Multilab Direct	November 02, 2016
Dissolved Mercury (Hg)	0.00003 mg/L	Sous-traitance\Multilab Direct	November 02, 2016
Molybdenum (Mo)	0.5483 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Molybdenum (Mo)	0.4711 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Ammonia NH3 (non-ionized)	0.08 mg N/L	Sous-traitance\Multilab Direct	October 28, 2016
Nickel (Ni)	0.0127 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Nickel (Ni)	0.0126 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Nitrate (NO3)	29.9 mg N/L	Sous-traitance\Multilab Direct	October 26, 2016
Nitrite (NO2)	0.28 mg N/L	Sous-traitance\Multilab Direct	October 27, 2016
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	October 28, 2016
Total Phosphorus (P)	0.03 mg P/L	Sous-traitance\Multilab Direct	October 26, 2016
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Potassium (K)	23.3 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Salinity	<1 ppm	M-TIT-1.0	October 25, 2016
Selenium (Se)	0.004 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Selenium (Se)	0.004 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Sodium (Na)	48.1 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Solids	916 mg/L	M-TIT-1.0	October 25, 2016
Strontium (Sr)	0.755 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
dissolved Strontium (Sr)	0.744 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Sulfate (SO4)	442 mg SO4/L	Sous-traitance\Multilab Direct	October 31, 2016
Thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Titanium (Ti)	0.10 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved titanium (Ti)	0.11 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Uranium (U)	0.109 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Uranium (U)	0.110 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Zinc (Zn)	<0.001 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	October 28, 2016
Reactive silica (SiO2)	5 mg/L	Sous-traitance\Maxxam	October 31, 2016

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Detection limit

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO3/L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance	
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Dissolved Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO3)	2	mg CaCO3/L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Dissolved Boron (B)	0.01	mg/L	Sous-traitance	
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO3)	2	mg CaCO3/L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.(	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006	mg/L	Sous-traitance	
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Cyanide W.A.D.	0.001	mg/L	Sous-traitance	Yes
Total Cyanide (CNt)	0.001	mg/L	Sous-traitance	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Tin (Sn)	0.001	mg/L	Sous-traitance	
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Detection limit

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Salinity	1	ppm	M-TIT-1.0	-
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.0008	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.0008	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter		
Alkalinity mg CaCO3/L	Standard name	STD alcalinité
	Result	143
	Accuracy	98.6%
	Limit	123 - 167
Dissolved Aluminium (Al) mg/L	Blank	<0.006
	Standard name	DMR-0479-2016-Eu
	Result	7.42
	Accuracy	83.5%
	Limit	5.10 - 7.64
Dissolved Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	DMR-0479-2016-Eu
	Result	0.1883
	Accuracy	84.8%
	Limit	0.178 - 0.266
Dissolved Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0175-2016-Ag
	Result	0.7777
	Accuracy	92.6%
	Limit	0.579 - 0.869
Dissolved Arsenic (As) mg/L	Blank	<0.0005
	Standard name	DMR-0479-2016-Eu
	Result	0.2817
	Accuracy	99.5%
	Limit	0.226 - 0.340
Ammonia nitrogen (NH3-NH4) m	Blank	<0.01
	Standard name	DMR-0581-2016-NH3
	Result	2.22
	Accuracy	95.8%
	Limit	1.81 - 2.45
Kjeldahl nitrogen mg N/L	Blank	<0.05
	Standard name	DMR-0581-2016-NTK
	Result	5.02
	Accuracy	89.3%
	Limit	4.78 - 6.46
Dissolved Barium (Ba) mg/L	Blank	<0.0005
	Standard name	DMR-0479-2016-Eu
	Result	2.421
	Accuracy	99.6%
	Limit	1.94 - 2.92
Dissolved Beryllium (Be) mg/L	Blank	<0.0005

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-59959
Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter		
	Standard name	DMR-0479-2016-Eu
	Result	1.784
	Accuracy	95.1%
	Limit	1.36 - 2.04
Dissolved Boron (B) mg/L	Blank	<0.01
	Standard name	DMR-0479-2016-Eu
	Result	2.94
	Accuracy	99.7%
	Limit	2.36 - 3.54
Dissolved Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	DMR-0479-2016-Eu
	Result	0.96879
	Accuracy	92.4%
	Limit	0.720 - 1.080
Dissolved Organic Carbon (D.O.(	Blank	<0.2
	Standard name	COD 10mg/L
	Result	8
	Accuracy	80%
	Limit	8 - 12
Total Organic Carbon (T.O.C.) m	Blank	<0.2
	Standard name	COT 10mg/L
	Result	8
	Accuracy	80%
	Limit	8 - 12
Chloride mg/L	Blank	<0.5
	Standard name	DMR-0510-2016-Cl
	Result	112
	Accuracy	96.3%
	Limit	95 - 121
Dissolved Chromium (Cr) mg/L	Blank	<0.0006
	Standard name	DMR-0479-2016-Eu
	Result	4.041
	Accuracy	99.8%
	Limit	3.24 - 4.86
Dissolved Copper (Cu) mg/L	Blank	<0.0005
	Standard name	DMR-0479-2016-Eu
	Result	1.409
	Accuracy	92.4%
	Limit	1.05 - 1.57
Dissolved Tin (Sn) mg/L	Blank	<0.001

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter		
Dissolved Iron (Fe) mg/L	Blank	<0.01
	Standard name	DMR-0479-2016-Eu
	Result	15.7
	Accuracy	90.2%
	Limit	11.4 - 17.2
Fluoride (F) mg/L	Blank	<0.02
	Standard name	DMR-0510-2016-F
	Result	2.29
	Accuracy	99.1%
	Limit	2.14 - 2.48
Lithium (Li) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	0.799
	Accuracy	94.4%
	Limit	0.677 - 1.015
Dissolved Lithium (Li) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	0.801
	Accuracy	94.7%
	Limit	0.677 - 1.015
Total Suspended Solids mg/L	Standard name	STD-MES 25mg/L
	Result	24
	Accuracy	96%
	Limit	19 - 31
Total Suspended Solids mg/L	Blank	<1
	Standard name	STD-MES 250mg/L
	Result	238
	Accuracy	95.2%
	Limit	194 - 306
Dissolved Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	DMR-0479-2016-Eu
	Result	3.923
	Accuracy	99.2%
	Limit	3.11 - 4.67
Dissolved Molybdenum (Mo) mg/	Blank	<0.0005
	Standard name	DMR-0479-2016-Eu
	Result	0.7263
	Accuracy	97.4%
	Limit	0.566 - 0.850
Ammonia NH3 (non-ionized) mg	Blank	<0.01

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter		
Dissolved Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	DMR-0479-2016-Eu
	Result	1.148
	Accuracy	98.4%
	Limit	0.90 - 1.36
Nitrate (NO3) mg N/L	Blank	<0.01
Nitrite (NO2) mg N/L	Blank	<0.01
	Standard name	DMR-0510-2016-NO2
	Result	1.98
	Accuracy	98%
	Limit	1.72 - 2.32
Dissolved Lead (Pb) mg/L	Blank	<0.0003
	Standard name	DMR-0479-2016-Eu
	Result	0.9582
	Accuracy	94.6%
	Limit	0.727 - 1.091
Dissolved Selenium (Se) mg/L	Blank	<0.001
	Standard name	DMR-0479-2016-Eu
	Result	1.45
	Accuracy	92.6%
	Limit	1.08 - 1.62
Strontium (Sr) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	1.27
	Accuracy	99.2%
	Limit	1.02 - 1.54
dissolved Strontium (Sr) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	1.27
	Accuracy	99.2%
	Limit	1.02 - 1.54
Sulfate (SO4) mg SO4/L	Blank	<0.6
	Standard name	DMR-0510-2016-SO4
	Result	119
	Accuracy	96.7%
	Limit	111 - 135
Thallium (Tl) mg/L	Blank	<0.0008
	Standard name	Tl-S140909023-1000ppm
	Result	926
	Accuracy	92.6%

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A
Sampling date: October 21, 2016
Sampling hour: 04:30

Parameter		
	Limit	800 - 1200
Dissolved thallium (Tl) mg/L	Blank	<0.0008
	Standard name	Tl-S140909023-1000ppm
	Result	905
	Accuracy	90.5%
	Limit	800 - 1200
Dissolved titanium (Ti) mg/L	Blank	<0.01
Dissolved Uranium (U) mg/L	Blank	<0.001
	Standard name	DMR-0479-2016-Eu
	Result	1.67
	Accuracy	94.9%
	Limit	1.41 - 2.11
Dissolved Vanadium mg/L	Blank	<0.0005
	Standard name	DMR-0479-2016-Eu
	Result	2.083
	Accuracy	95.3%
	Limit	1.59 - 2.39
Dissolved Zinc mg/L	Blank	<0.001
	Standard name	DMR-0479-2016-Eu
	Result	5.04
	Accuracy	94.6%
	Limit	3.82 - 5.74

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Additional information

Lab number: V-59959

Sample name: GW- Pit A
Sampling location: Pit A

Sampling date: October 21, 2016
Sampling hour: 04:30

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-60623

Sampling location: ST-GW-16 Central Dyke
Sampling date: November 10, 2016

Sample name: ST-GW-16
Sampling hour: 08:20

Sampled by: Patrick Ahern, Fanny Laporte
Date received: November 11, 2016

Matrix: Water

Drinking water distribution: Groundwater

Reported on: November 24, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter	Result		Method name	Analysis date
Alkalinity	182	mg CaCO3/L	M-TIT-1.0	November 11, 2016
Aluminium (Al)	0.351	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Aluminium (Al)	<0.006	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Antimony (Sb)	<0.0001	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Antimony (Sb)	<0.0001	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Arsenic (As)	0.1411	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Arsenic (As)	0.0452	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Ammonia nitrogen (NH3-NH4)	1.07	mg N/L	Sous-traitance\Multilab Direct	November 11, 2016
Kjeldahl nitrogen	19.4	mg N/L	Sous-traitance\Multilab Direct	November 18, 2016
Barium (Ba)	0.0621	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Barium (Ba)	0.0539	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
bicarbonate (HCO3)	182	mg CaCO3/L	M-TIT-1.0	November 11, 2016
Boron (B)	0.09	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Boron (B)	0.08	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Cadmium (Cd)	0.00009	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Cadmium (Cd)	0.00005	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Calcium (Ca)	172	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Carbonate (CO3)	<2	mg CaCO3/L	M-TIT-1.0	November 11, 2016
Dissolved Organic Carbon (D.O.(	13.5	mg/L	M-COT-1.0	November 11, 2016
Total Organic Carbon (T.O.C.)	25.0	mg/L	M-COT-1.0	November 11, 2016
Chloride	229	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Chrome (Cr)	0.0092	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Chromium (Cr)	0.0022	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Copper (Cu)	0.0128	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Copper (Cu)	0.0032	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Cyanide W.A.D.	0.027	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Total Cyanide (CNt)	0.108	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Hardness	732	mg CaCO3/L	Sous-traitance\Multilab Direct	November 14, 2016
Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Iron (Fe)	6.28	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Iron (Fe)	0.02	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Fluoride (F)	0.3	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Lithium (Li)	0.011	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Lithium (Li)	0.011	mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Total Suspended Solids	41	mg/L	M-SOLI-1.0	November 14, 2016

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	73.5 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Manganese (Mn)	1.826 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Manganese (Mn)	1.74 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Mercury (Hg)	0.00055 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Mercury (Hg)	0.0003 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Molybdenum (Mo)	0.0244 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Molybdenum (Mo)	0.0241 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Ammonia NH3 (non-ionized)	0.01 mg N/L	Sous-traitance\Multilab Direct	November 11, 2016
Nickel (Ni)	0.016 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Nickel (Ni)	0.0128 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Nitrate (NO3)	0.02 mg N/L	Sous-traitance\Multilab Direct	November 16, 2016
Nitrite (NO2)	0.02 mg N/L	Sous-traitance\Multilab Direct	November 11, 2016
Ortho-Phosphate (O-PO4)	0.07 mg P/L	Sous-traitance\Multilab Direct	November 11, 2016
Total Phosphorus (P)	0.11 mg P/L	Sous-traitance\Multilab Direct	November 16, 2016
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Potassium (K)	10.0 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Selenium (Se)	0.006 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Selenium (Se)	0.006 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Reactive silica (SiO2)	7.9 mg/L	Sous-traitance\Maxxam	November 21, 2016
Sodium (Na)	225 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Solids	1317 mg/L	M-TIT-1.0	November 11, 2016
Strontium (Sr)	0.876 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
dissolved Strontium (Sr)	0.873 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Sulfate (SO4)	707 mg SO4/L	Sous-traitance\Multilab Direct	November 14, 2016
Thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Titanium (Ti)	0.21 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved titanium (Ti)	0.20 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Uranium (U)	0.030 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Uranium (U)	0.030 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Zinc (Zn)	0.007 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	November 14, 2016
Salinity	1 ppm	M-TIT-1.0	November 02, 2016

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Detection limit

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO3/L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance	
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Dissolved Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO3)	2	mg CaCO3/L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Dissolved Boron (B)	0.01	mg/L	Sous-traitance	
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO3)	2	mg CaCO3/L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.(	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006	mg/L	Sous-traitance	
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Cyanide W.A.D.	0.001	mg/L	Sous-traitance	Yes
Total Cyanide (CNt)	0.001	mg/L	Sous-traitance	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Tin (Sn)	0.001	mg/L	Sous-traitance	
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Detection limit

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.0008	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.0008	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Salinity	1	ppm	M-TIT-1.0	-

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
Alkalinity mg CaCO3/L	Standard name	STD alcalinité
	Result	142
	Accuracy	97.9%
	Limit	123 - 167
Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	1.04
	Accuracy	96%
	Limit	0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	1.04
	Accuracy	96%
	Limit	0.800 - 1.200
Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0091
	Accuracy	91%
	Limit	0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0091
	Accuracy	91%
	Limit	0.0080 - 0.0120
Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0175-2016-Ag
	Result	0.6734
	Accuracy	93%
	Limit	0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0175-2016-Ag
	Result	0.6734
	Accuracy	93%
	Limit	0.579 - 0.869
Arsenic (As) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0954
	Accuracy	95.4%
	Limit	0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank	<0.0005

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.0954
	Accuracy	95.4%
	Limit	0.0800 - 0.1200
Ammonia nitrogen (NH3-NH4) m	Blank	<0.01
	Standard name	DMR-0581-2016-NH3
	Result	2.29
	Accuracy	92.5%
	Limit	1.81 - 2.45
Kjeldahl nitrogen mg N/L	Blank	<0.05
	Standard name	DMR-0581-2016-NTK
	Result	5.19
	Accuracy	92.3%
	Limit	4.78 - 6.46
Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0913
	Accuracy	91.3%
	Limit	0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0913
	Accuracy	91.3%
	Limit	0.0800 - 0.1200
Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1177
	Accuracy	82.3%
	Limit	0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1177
	Accuracy	82.3%
	Limit	0.0800 - 0.1200
Boron (B) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.15
	Accuracy	85%
	Limit	0.800 - 1.200
Dissolved Boron (B) mg/L	Blank	<0.01

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
	Standard name	C00-046-705_X_1000
	Result	1.15
	Accuracy	85%
	Limit	0.800 - 1.200
Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	C00-046-705_X_1000
	Result	0.10111
	Accuracy	98.9%
	Limit	0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	C00-046-705_X_1000
	Result	0.10111
	Accuracy	98.9%
	Limit	0.0800 - 0.1200
Calcium (Ca) mg/L	Blank	<0.03
	Standard name	C00-046-705_X_1000
	Result	1.03
	Accuracy	97%
	Limit	0.800 - 1.200
Dissolved Organic Carbon (D.O.(	Blank	<0.2
	Standard name	COD 10mg/L
	Result	8
	Accuracy	80%
	Limit	8 - 12
Total Organic Carbon (T.O.C.) m	Blank	<0.2
	Standard name	COT 10mg/L
	Result	8
	Accuracy	80%
	Limit	8 - 12
Chloride mg/L	Blank	<0.5
	Standard name	DMR-0510-2016-Cl
	Result	108
	Accuracy	100%
	Limit	95 - 121
Chrome (Cr) mg/L	Blank	<0.0006
	Standard name	C00-046-705_X_1000
	Result	0.1029
	Accuracy	97.1%
	Limit	0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank	<0.0006

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.1029
	Accuracy	97.1%
	Limit	0.0800 - 0.1200
Copper (Cu) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1070
	Accuracy	93%
	Limit	0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1070
	Accuracy	93%
	Limit	0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank	<0.001
Total Cyanide (CNt) mg/L	Blank	<0.001
Hardness mg CaCO3/L	Blank	<1
Tin (Sn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.097
	Accuracy	97%
	Limit	0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.097
	Accuracy	97%
	Limit	0.0700 - 0.1300
Iron (Fe) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.17
	Accuracy	83%
	Limit	0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.17
	Accuracy	83%
	Limit	0.800 - 1.200
Fluoride (F) mg/L	Blank	<0.02
	Standard name	DMR-0564-2016-F
	Result	2.36

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
	Accuracy	97.8%
	Limit	2.14 - 2.48
Lithium (Li) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	0.774
	Accuracy	91.5%
	Limit	0.677 - 1.015
Dissolved Lithium (Li) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	0.774
	Accuracy	91.5%
	Limit	0.677 - 1.015
Total Suspended Solids mg/L	Blank	<1
	Standard name	STD-MES 25mg/L
	Result	22
	Accuracy	88%
	Limit	19 - 31
Magnesium (Mg) mg/L	Blank	<0.02
	Standard name	C00-046-705_X_1000
	Result	1.08
	Accuracy	92%
	Limit	0.800 - 1.200
Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1056
	Accuracy	94.4%
	Limit	0.0800 - 0.1200
Dissolved Manganese (Mn) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1056
	Accuracy	94.4%
	Limit	0.0800 - 0.1200
Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0510-2016-HgEu
	Result	0.00054
	Accuracy	81.8%
	Limit	0.00040 - 0.00092
Dissolved Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0510-2016-HgEu
	Result	0.00054

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
	Accuracy	81.8%
	Limit	0.00040 - 0.00092
Molybdenum (Mo) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0961
	Accuracy	96.1%
	Limit	0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg/	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0961
	Accuracy	96.1%
	Limit	0.0800 - 0.1200
Ammonia NH3 (non-ionized) mg	Blank	<0.01
Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1052
	Accuracy	94.8%
	Limit	0.0800 - 0.1200
Dissolved Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1052
	Accuracy	94.8%
	Limit	0.0800 - 0.1200
Nitrate (NO3) mg N/L	Blank	<0.01
Nitrite (NO2) mg N/L	Blank	<0.01
	Standard name	DMR-0510-2016-NO2
	Result	1.94
	Accuracy	96%
	Limit	1.72 - 2.32
Ortho-Phosphate (O-PO4) mg P/	Blank	<0.01
	Standard name	DMR-0510-2016-OPO4
	Result	1.82
	Accuracy	95.8%
	Limit	1.67 - 2.13
Total Phosphorus (P) mg P/L	Blank	<0.01
	Standard name	DMR-0581-2016-Ptotal
	Result	1.23
	Accuracy	94.9%
	Limit	1.03 - 1.31
Lead (Pb) mg/L	Blank	<0.0003

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.0906
	Accuracy	90.6%
	Limit	0.0800 - 0.1200
Dissolved Lead (Pb) mg/L	Blank	<0.0003
	Standard name	C00-046-705_X_1000
	Result	0.0906
	Accuracy	90.6%
	Limit	0.0800 - 0.1200
Potassium (K) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	1.09
	Accuracy	91%
	Limit	0.800 - 1.200
Selenium (Se) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.097
	Accuracy	97%
	Limit	0.0800 - 0.1200
Dissolved Selenium (Se) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.097
	Accuracy	97%
	Limit	0.0800 - 0.1200
Sodium (Na) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	1.16
	Accuracy	84%
	Limit	0.800 - 1.200
Strontium (Sr) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	1.31
	Accuracy	97.7%
	Limit	1.02 - 1.54
dissolved Strontium (Sr) mg/L	Blank	<0.005
	Standard name	DMR-0479-2016-Eu
	Result	1.31
	Accuracy	97.7%
	Limit	1.02 - 1.54
Sulfate (SO4) mg SO4/L	Blank	<0.6

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
	Standard name	DMR-0510-2016-SO4
	Result	115
	Accuracy	93.5%
	Limit	111 - 135
Thallium (Tl) mg/L	Blank	<0.0008
	Standard name	Tl-S140909023-1000ppm
	Result	932
	Accuracy	93.2%
	Limit	800 - 1200
Dissolved thallium (Tl) mg/L	Blank	<0.0008
	Standard name	Tl-S140909023-1000ppm
	Result	932
	Accuracy	93.2%
	Limit	800 - 1200
Titanium (Ti) mg/L	Blank	<0.01
Dissolved titanium (Ti) mg/L	Blank	<0.01
Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.101
	Accuracy	99%
	Limit	0.0800 - 0.1200
Dissolved Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.101
	Accuracy	99%
	Limit	0.0800 - 0.1200
Vanadium (V) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1046
	Accuracy	95.4%
	Limit	0.0800 - 0.1200
Dissolved Vanadium mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1046
	Accuracy	95.4%
	Limit	0.0800 - 0.1200
Zinc (Zn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.086
	Accuracy	86%

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60623

Sample name: ST-GW-16 Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke Sampling hour: 08:20

Parameter		
	Limit	0.0800 - 0.1200
Dissolved Zinc mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.086
	Accuracy	86%
	Limit	0.0800 - 0.1200

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Additional information

Lab number: V-60623

Sample name: ST-GW-16 | Sampling date: November 10, 2016

Sampling location: ST-GW-16 Central Dyke | Sampling hour: 08:20

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-60789

Sampling location: ST-GW-16
Sampling date: November 14, 2016

Sample name: ST-GW-16
Sampling hour: 17:00

Sampled by: Fanny Laporte, Patrick Ahern
Date received: November 16, 2016

Matrix: Water

Drinking water distribution: Groundwater

Reported on: November 26, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Analytical Report

Lab number: V-60789

Sample name: ST-GW-16 | Sampling date: November 14, 2016

Sampling location: ST-GW-16 | Sampling hour: 17:00

Parameter	Result		Method name	Analysis date
Alkalinity	185	mg CaCO3/L	M-TIT-1.0	November 16, 2016
Aluminium (Al)	0.257	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Aluminium (Al)	<0.006	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Antimony (Sb)	0.0001	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Silver (Ag)	0.0003	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Silver (Ag)	<0.0001	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Arsenic (As)	0.2059	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Arsenic (As)	0.083	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Ammonia nitrogen (NH3-NH4)	3.16	mg N/L	Sous-traitance\Multilab Direct	November 18, 2016
Kjeldahl nitrogen	25.2	mg N/L	Sous-traitance\Multilab Direct	November 18, 2016
Barium (Ba)	0.0609	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Barium (Ba)	0.052	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Beryllium (Be)	<0.0005	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
bicarbonate (HCO3)	185	mg CaCO3/L	M-TIT-1.0	November 16, 2016
Boron (B)	0.05	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Boron (B)	0.05	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Cadmium (Cd)	0.00006	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Cadmium (Cd)	0.00006	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Calcium (Ca)	180	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Carbonate (CO3)	<2	mg CaCO3/L	M-TIT-1.0	November 16, 2016
Dissolved Organic Carbon (D.O.(	20.0	mg/L	M-COT-1.0	November 16, 2016
Total Organic Carbon (T.O.C.)	20.0	mg/L	M-COT-1.0	November 16, 2016
Chloride	230	mg/L	Sous-traitance\Multilab Direct	November 22, 2016
Chrome (Cr)	0.0019	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Chromium (Cr)	0.0009	mg/L	Sous-traitance\Multilab Direct	November 22, 2016
Copper (Cu)	0.0065	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Copper (Cu)	0.0025	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Cyanide W.A.D.	0.023	mg/L	Sous-traitance\Multilab Direct	November 24, 2016
Total Cyanide (CNt)	0.090	mg/L	Sous-traitance\Multilab Direct	November 24, 2016
Hardness	744	mg CaCO3/L	Sous-traitance\Multilab Direct	November 18, 2016
Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Tin (Sn)	<0.001	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Iron (Fe)	5.81	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Iron (Fe)	0.03	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Fluoride (F)	0.3	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Lithium (Li)	0.015	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Lithium (Li)	0.013	mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Total Suspended Solids	43	mg/L	M-SOLI-1.0	November 17, 2016

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Analytical Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	71.7 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Manganese (Mn)	2.017 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Manganese (Mn)	1.992 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Mercury (Hg)	0.00008 mg/L	Sous-traitance\Multilab Direct	November 17, 2016
Dissolved Mercury (Hg)	0.00006 mg/L	Sous-traitance\Multilab Direct	November 17, 2016
Molybdenum (Mo)	0.02 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Molybdenum (Mo)	0.017 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Ammonia NH3 (non-ionized)	0.07 mg N/L	Sous-traitance\Multilab Direct	November 18, 2016
Nickel (Ni)	0.0147 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Nickel (Ni)	0.0136 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Nitrate (NO3)	<0.01 mg N/L	Sous-traitance\Multilab Direct	November 17, 2016
Nitrite (NO2)	0.02 mg N/L	Sous-traitance\Multilab Direct	November 17, 2016
Ortho-Phosphate (O-PO4)	0.05 mg P/L	Sous-traitance\Multilab Direct	November 17, 2016
Total Phosphorus (P)	0.1 mg P/L	Sous-traitance\Multilab Direct	November 18, 2016
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Potassium (K)	9.41 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Selenium (Se)	0.005 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Selenium (Se)	0.004 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Reactive silica (SiO2)	7.9 mg/L	Sous-traitance\Maxxam	November 21, 2016
Sodium (Na)	200 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Solids	1349 mg/L	M-TIT-1.0	November 16, 2016
Strontium (Sr)	0.905 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
dissolved Strontium (Sr)	0.779 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Sulfate (SO4)	754 mg SO4/L	Sous-traitance\Multilab Direct	November 22, 2016
Thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved thallium (Tl)	<0.0008 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Titanium (Ti)	0.26 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved titanium (Ti)	0.28 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Uranium (U)	0.020 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Uranium (U)	0.020 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Zinc (Zn)	0.015 mg/L	Sous-traitance\Multilab Direct	November 18, 2016
Dissolved Zinc	0.004 mg/L	Sous-traitance\Multilab Direct	November 22, 2016
Salinity	1 ppm	M-TIT-1.0	November 16, 2016

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Detection limit

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO3/L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance	
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Dissolved Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO3)	2	mg CaCO3/L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Dissolved Boron (B)	0.01	mg/L	Sous-traitance	
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO3)	2	mg CaCO3/L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.(	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006	mg/L	Sous-traitance	
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Cyanide W.A.D.	0.001	mg/L	Sous-traitance	Yes
Total Cyanide (CNt)	0.001	mg/L	Sous-traitance	Yes
Hardness	1	mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Tin (Sn)	0.001	mg/L	Sous-traitance	
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Detection limit

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.0008	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.0008	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Salinity	1	ppm	M-TIT-1.0	-

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 | Sampling date: November 14, 2016

Sampling location: ST-GW-16 | Sampling hour: 17:00

Parameter		
Alkalinity mg CaCO3/L	Standard name	STD alcalinité
	Result	141
	Accuracy	97.2%
	Limit	123 - 167
Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	0.864
	Accuracy	86.4%
	Limit	0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank	<0.006
	Standard name	C00-046-705_X_1000
	Result	1.01
	Accuracy	99%
	Limit	0.800 - 1.200
Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0097
	Accuracy	97%
	Limit	0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank	<0.0001
	Standard name	C00-046-705_X_1000
	Result	0.0097
	Accuracy	97%
	Limit	0.0080 - 0.0120
Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0175-2016-Ag
	Result	0.7080
	Accuracy	97.8%
	Limit	0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank	<0.0001
	Standard name	DMR-0175-2016-Ag
	Result	0.6800
	Accuracy	93.9%
	Limit	0.579 - 0.869
Arsenic (As) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0965
	Accuracy	96.5%
	Limit	0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank	<0.0005

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.0962
	Accuracy	96.2%
	Limit	0.0800 - 0.1200
Ammonia nitrogen (NH3-NH4) m	Blank	<0.01
	Standard name	DMR-0581-2016-NH3
	Result	2.21
	Accuracy	96.2%
	Limit	1.81 - 2.45
Kjeldahl nitrogen mg N/L	Blank	<0.05
	Standard name	DMR-0581-2016-NTK
	Result	5.19
	Accuracy	92.3%
	Limit	4.78 - 6.46
Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0833
	Accuracy	83.3%
	Limit	0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0908
	Accuracy	90.8%
	Limit	0.0800 - 0.1200
Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0900
	Accuracy	90%
	Limit	0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0984
	Accuracy	98.4%
	Limit	0.0800 - 0.1200
Boron (B) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	0.99
	Accuracy	99%
	Limit	0.800 - 1.200
Dissolved Boron (B) mg/L	Blank	<0.01

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter		
	Standard name	C00-046-705_X_1000
	Result	0.98
	Accuracy	98%
	Limit	0.800 - 1.200
Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	C00-046-705_X_1000
	Result	0.09375
	Accuracy	93.8%
	Limit	0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank	<0.00002
	Standard name	C00-046-705_X_1000
	Result	0.09812
	Accuracy	98.1%
	Limit	0.0800 - 0.1200
Calcium (Ca) mg/L	Blank	<0.03
	Standard name	C00-046-705_X_1000
	Result	0.88
	Accuracy	88%
	Limit	0.800 - 1.200
Dissolved Organic Carbon (D.O.(	Blank	<0.2
	Standard name	COD 10mg/L
	Result	8
	Accuracy	80%
	Limit	8 - 12
Total Organic Carbon (T.O.C.) m	Blank	<0.2
	Standard name	COT 10mg/L
	Result	8
	Accuracy	80%
	Limit	8 - 12
Chloride mg/L	Blank	<0.5
	Standard name	DMR-0564-2016-Cl
	Result	111
	Accuracy	97.2%
	Limit	95 - 121
	Sample duplicate	230-230
Chrome (Cr) mg/L	Blank	<0.0006
	Standard name	C00-046-705_X_1000
	Result	0.0987
	Accuracy	98.7%
	Limit	0.0800 - 0.1200

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter		
Dissolved Chromium (Cr) mg/L	Blank	<0.0006
	Standard name	C00-046-705_X_1000
	Result	0.0942
	Accuracy	94.2%
	Limit	0.0800 - 0.1200
Copper (Cu) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1052
	Accuracy	94.8%
	Limit	0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1055
	Accuracy	94.5%
	Limit	0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank	<0.001
	Standard name	Dmr-0564-CN
	Result	0.121
	Accuracy	97.6%
	Limit	0.105 - 0.143
	Sample duplicate	0.023-0.023
Total Cyanide (CNt) mg/L	Blank	<0.001
	Standard name	Dmr-0564-CN
	Result	0.222
	Accuracy	92.1%
	Limit	0.205 - 0.277
	Sample duplicate	0.090-0.086
Tin (Sn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.091
	Accuracy	91%
	Limit	0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.095
	Accuracy	95%
	Limit	0.0700 - 0.1300
Iron (Fe) mg/L	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	0.94

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter		
Dissolved Iron (Fe) mg/L	Accuracy	94%
	Limit	0.800 - 1.200
	Blank	<0.01
	Standard name	C00-046-705_X_1000
	Result	1.17
Fluoride (F) mg/L	Accuracy	83%
	Limit	0.800 - 1.200
	Blank	<0.02
	Standard name	DMR-0564-2016-F
	Result	2.36
Lithium (Li) mg/L	Accuracy	97.8%
	Limit	2.14 - 2.48
	Blank	<0.005
	Standard name	DMR-0614-2016-Eu
	Result	0.928
Dissolved Lithium (Li) mg/L	Accuracy	90.3%
	Limit	0.677 - 1.015
	Blank	<0.005
	Standard name	DMR-0614-2016-Eu
	Result	0.846
Total Suspended Solids mg/L	Accuracy	100%
	Limit	0.677 - 1.015
	Blank	<1
	Standard name	STD-MES 25mg/L
	Result	25
Magnesium (Mg) mg/L	Accuracy	100%
	Limit	19 - 31
	Blank	<0.02
	Standard name	C00-046-705_X_1000
	Result	0.95
Manganese (Mn) mg/L	Accuracy	95%
	Limit	0.800 - 1.200
	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0925
Dissolved Manganese (Mn) mg/L	Accuracy	92.5%
	Limit	0.0800 - 0.1200
	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1066

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter		
	Accuracy	93.4%
	Limit	0.0800 - 0.1200
Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0510-2016-HgEu
	Result	0.00052
	Accuracy	78.8%
	Limit	0.00040 - 0.00092
Dissolved Mercury (Hg) mg/L	Blank	<0.00001
	Standard name	DMR-0510-2016-HgEu
	Result	0.00052
	Accuracy	78.8%
	Limit	0.00040 - 0.00092
Molybdenum (Mo) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0900
	Accuracy	90%
	Limit	0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg/	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1001
	Accuracy	99.9%
	Limit	0.0800 - 0.1200
Ammonia NH3 (non-ionized) mg	Blank	<0.01
Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0980
	Accuracy	98%
	Limit	0.0800 - 0.1200
Dissolved Nickel (Ni) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.1015
	Accuracy	98.5%
	Limit	0.0800 - 0.1200
Nitrate (NO3) mg N/L	Blank	<0.01
Nitrite (NO2) mg N/L	Blank	<0.01
	Standard name	DMR-0564-2016-NO2
	Result	1.93
	Accuracy	95.5%
	Limit	1.72 - 2.32
Ortho-Phosphate (O-PO4) mg P/	Blank	<0.01

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter		
	Standard name	DMR-0564-2016-OPO4
	Result	1.80
	Accuracy	94.7%
	Limit	1.67 - 2.13
Total Phosphorus (P) mg P/L	Blank	<0.01
	Standard name	DMR-0581-2016-Ptotal
	Result	1.10
	Accuracy	94%
	Limit	1.03 - 1.31
Lead (Pb) mg/L	Blank	<0.0003
	Standard name	C00-046-705_X_1000
	Result	0.0960
	Accuracy	96%
	Limit	0.0800 - 0.1200
Dissolved Lead (Pb) mg/L	Blank	<0.0003
	Standard name	C00-046-705_X_1000
	Result	0.0975
	Accuracy	97.5%
	Limit	0.0800 - 0.1200
Potassium (K) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	0.93
	Accuracy	93%
	Limit	0.800 - 1.200
Selenium (Se) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.095
	Accuracy	95%
	Limit	0.0800 - 0.1200
Dissolved Selenium (Se) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.098
	Accuracy	98%
	Limit	0.0800 - 0.1200
Sodium (Na) mg/L	Blank	<0.05
	Standard name	C00-046-705_X_1000
	Result	0.91
	Accuracy	91%
	Limit	0.800 - 1.200
Strontium (Sr) mg/L	Blank	<0.005

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

F-02-06
Version 3ième: 26/10/2005

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter		
	Standard name	DMR-0614-2016-Eu
	Result	1.19
	Accuracy	96.7%
	Limit	0.98 - 1.48
dissolved Strontium (Sr) mg/L	Blank	<0.005
	Standard name	DMR-0614-2016-Eu
	Result	1.24
	Accuracy	99.2%
	Limit	0.98 - 1.48
Sulfate (SO4) mg SO4/L	Blank	<0.6
	Standard name	DMR-0564-2016-SO4
	Result	124
	Accuracy	99.2%
	Limit	111 - 135
Thallium (Tl) mg/L	Blank	<0.0008
	Standard name	Tl-S140909023-1000ppm
	Result	890
	Accuracy	89%
	Limit	800 - 1200
Dissolved thallium (Tl) mg/L	Blank	<0.0008
	Standard name	Tl-S140909023-1000ppm
	Result	904
	Accuracy	90.4%
	Limit	800 - 1200
Titanium (Ti) mg/L	Blank	<0.01
Dissolved titanium (Ti) mg/L	Blank	<0.01
Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.103
	Accuracy	97%
	Limit	0.0800 - 0.1200
Dissolved Uranium (U) mg/L	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.104
	Accuracy	96%
	Limit	0.0800 - 0.1200
Vanadium (V) mg/L	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0924
	Accuracy	92.4%

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Multilab Val-d'Or

Quality control Report

Lab number: V-60789

Sample name: ST-GW-16 Sampling date: November 14, 2016

Sampling location: ST-GW-16 Sampling hour: 17:00

Parameter		
Dissolved Vanadium mg/L	Limit	0.0800 - 0.1200
	Blank	<0.0005
	Standard name	C00-046-705_X_1000
	Result	0.0953
	Accuracy	95.3%
Zinc (Zn) mg/L	Limit	0.0800 - 0.1200
	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.097
	Accuracy	97%
Dissolved Zinc mg/L	Limit	0.0800 - 0.1200
	Blank	<0.001
	Standard name	C00-046-705_X_1000
	Result	0.100
	Accuracy	100%
	Limit	0.0800 - 0.1200

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com

Additional information

Lab number: V-60789
Sample name: ST-GW-16
Sampling location: ST-GW-16
Sampling date: November 14, 2016
Sampling hour: 17:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

900, 5ième avenue
Val d'Or (Québec)
J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com